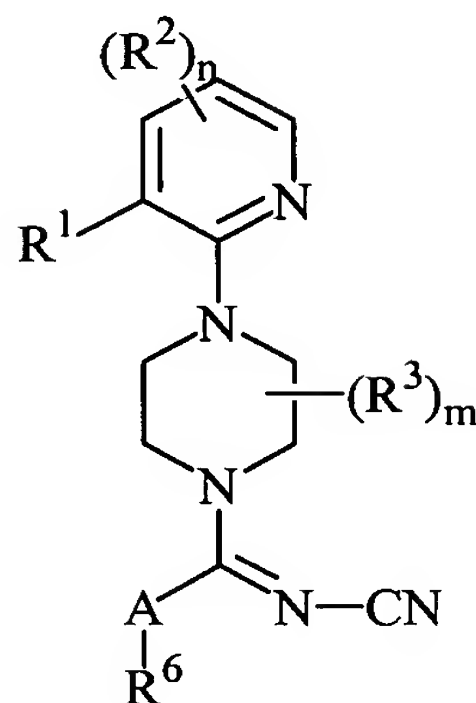


What is claimed is:

1. A compound of formula :



(I)

or a pharmaceutically acceptable salt thereof, wherein

A is -NR<sup>4</sup>-, -O-, or -S-;

15 R<sup>1</sup> is -halo, -CH<sub>3</sub>, -NO<sub>2</sub>, -CN, -OH, -OCH<sub>3</sub>, -NH<sub>2</sub>, -C(halo)<sub>3</sub>, -CH(halo)<sub>2</sub>, or -CH<sub>2</sub>(halo);

each R<sup>2</sup> is independently:

(a) -halo, -CN, -OH, -NO<sub>2</sub>, or -NH<sub>2</sub>;

20 (b) -(C<sub>1</sub>-C<sub>10</sub>)alkyl, -(C<sub>2</sub>-C<sub>10</sub>)alkenyl, -(C<sub>2</sub>-C<sub>10</sub>)alkynyl, -(C<sub>3</sub>-C<sub>10</sub>)cycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkyl, -(C<sub>5</sub>-C<sub>10</sub>)cycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkenyl, -(C<sub>3</sub>-C<sub>7</sub>)heterocycle, or -(C<sub>7</sub>-C<sub>10</sub>)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R<sup>5</sup> groups; or

25 (c) -phenyl, -naphthyl, -(C<sub>14</sub>)aryl, or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups;

each R<sup>3</sup> is independently:

(a) -halo, -CN, -OH, -NO<sub>2</sub>, or -NH<sub>2</sub>; or

30 (b) -(C<sub>1</sub>-C<sub>10</sub>)alkyl, -(C<sub>2</sub>-C<sub>10</sub>)alkenyl, -(C<sub>2</sub>-C<sub>10</sub>)alkynyl, -(C<sub>3</sub>-C<sub>10</sub>)cycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkyl, -(C<sub>5</sub>-C<sub>10</sub>)cycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkenyl, -(C<sub>3</sub>-

C<sub>7</sub>)heterocycle, or -(C<sub>7</sub>-C<sub>10</sub>)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R<sup>5</sup> groups; or

(c) -phenyl, -naphthyl, -(C<sub>14</sub>)aryl or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups;

5 R<sup>4</sup> is -(C<sub>1</sub>-C<sub>6</sub>)alkyl, or -O-(C<sub>1</sub>-C<sub>6</sub>)alkyl;

each R<sup>5</sup> is independently -CN, -OH, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -halo, -N<sub>3</sub>, -NO<sub>2</sub>, -N(R<sup>8</sup>)<sub>2</sub>, -CH=NR<sup>8</sup>, -NR<sup>8</sup>OH, -OR<sup>8</sup>, -COR<sup>8</sup>, -C(O)OR<sup>8</sup>, -OC(O)R<sup>8</sup>, -OC(O)OR<sup>8</sup>, -SR<sup>8</sup>, -S(O)R<sup>8</sup>, or -S(O)<sub>2</sub>R<sup>8</sup>;

R<sup>6</sup> is -phenyl, -naphthyl, -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>14</sub>)aryl, or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl,

10 each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups;

each R<sup>7</sup> is independently -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl, -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>5</sub>-C<sub>8</sub>)cycloalkenyl, -phenyl, -(C<sub>3</sub>-C<sub>5</sub>)heterocycle, -C(halo)<sub>3</sub>, -CH(halo)<sub>2</sub>, -CH<sub>2</sub>(halo), -CN, -OH, -halo, -N<sub>3</sub>, -NO<sub>2</sub>, -N(R<sup>8</sup>)<sub>2</sub>, -CH=NR<sup>8</sup>, -NR<sup>8</sup>OH, -OR<sup>8</sup>, -COR<sup>8</sup>, -C(O)OR<sup>8</sup>, -OC(O)R<sup>8</sup>, -OC(O)OR<sup>8</sup>, -SR<sup>8</sup>, -S(O)R<sup>8</sup>, or -S(O)<sub>2</sub>R<sup>8</sup>;

15 each R<sup>8</sup> is independently -H, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl, -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>5</sub>-C<sub>8</sub>)cycloalkenyl, -phenyl, -(C<sub>3</sub>-C<sub>5</sub>)heterocycle, -C(halo)<sub>3</sub>, -CH<sub>2</sub>(halo), or -CH(halo)<sub>2</sub>;

each halo is independently -F, -Cl, -Br or -I;

n is an integer ranging from 0 to 3; and

20 m is an integer ranging from 0 to 2.

2. The compound of claim 1, wherein A is -NR<sup>4</sup>-.

3. The compound of claim 2, wherein:

25 n is 0;

m is 0; and

R<sup>6</sup> is phenyl.

4. The compound of claim 3, wherein the R<sup>6</sup> phenyl is unsubstituted.

30

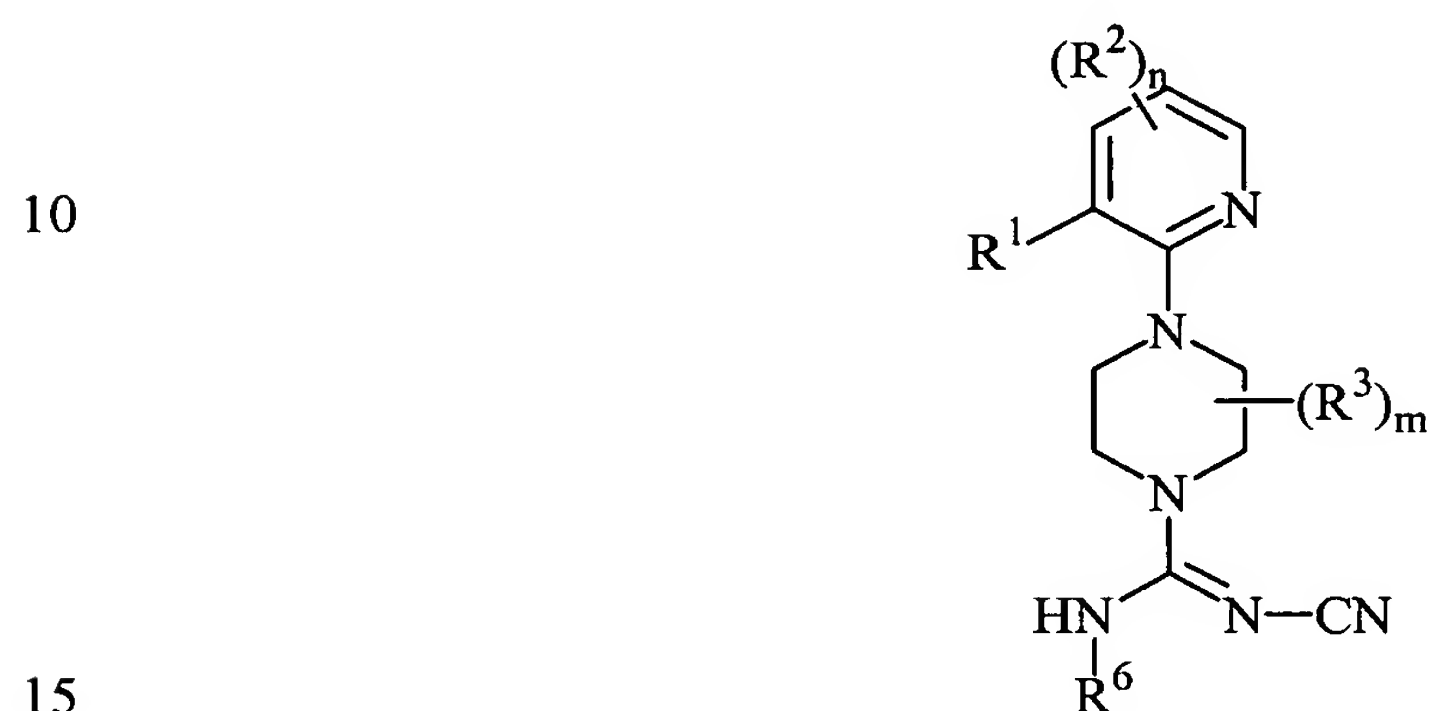
5. The compound of claim 3, wherein the R<sup>6</sup> phenyl is substituted at the 4-position.
6. The compound of claim 5, wherein the R<sup>6</sup> phenyl is substituted with a -(C<sub>1</sub>-C<sub>6</sub>) alkyl.
- 5
7. The compound of claim 6, wherein the -(C<sub>1</sub>-C<sub>6</sub>) alkyl is a *tert*-butyl group.
8. The compound of claim 6, wherein the -(C<sub>1</sub>-C<sub>6</sub>) alkyl is an *iso*-propyl group.
- 10
9. The compound of claim 5, wherein the R<sup>6</sup> phenyl is substituted with a -CF<sub>3</sub> group.
- 15
10. The compound of claim 3, wherein R<sup>1</sup> is chloro or methyl.
11. The compound of claim 10, wherein the R<sup>6</sup> phenyl is unsubstituted.
12. The compound of claim 10, wherein the R<sup>6</sup> phenyl is substituted at the 4-position.
- 20
13. The compound of claim 12, wherein the R<sup>6</sup> phenyl is substituted with a -(C<sub>1</sub>-C<sub>6</sub>) alkyl.
- 25
14. The compound of claim 13, wherein the -(C<sub>1</sub>-C<sub>6</sub>) alkyl is a *tert*-butyl group.
15. The compound of claim 13, wherein the -(C<sub>1</sub>-C<sub>6</sub>) alkyl is an *iso*-propyl group.
- 30

16. The compound of claim 12, wherein the R<sup>6</sup> phenyl is substituted with a -CF<sub>3</sub> group.

17. The compound of claim 1, wherein A is -O-.

5 18. The compound of claim 1, wherein A is -S-.

19. A compound of formula :



(Ia)

or a pharmaceutically acceptable salts thereof, wherein:

R<sup>1</sup> is -halo, -CH<sub>3</sub>, -NO<sub>2</sub>, -CN, -OH, -OCH<sub>3</sub>, -NH<sub>2</sub>, -C(halo)<sub>3</sub>, -CH(halo)<sub>2</sub>, or  
20 -CH<sub>2</sub>(halo);

each R<sup>2</sup> is independently:

(a) -halo, -CN, -OH, -NO<sub>2</sub>, or -NH<sub>2</sub>;

(b) -(C<sub>1</sub>-C<sub>10</sub>)alkyl, -(C<sub>2</sub>-C<sub>10</sub>)alkenyl, -(C<sub>2</sub>-C<sub>10</sub>)alkynyl, -(C<sub>3</sub>-  
25 C<sub>10</sub>)cycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkyl, -(C<sub>5</sub>-  
C<sub>10</sub>)cycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkenyl, -(C<sub>3</sub>-  
C<sub>7</sub>)heterocycle, or -(C<sub>7</sub>-C<sub>10</sub>)bicycloheterocycle, each of which is unsubstituted  
or substituted with one or more R<sup>5</sup> groups; or

(c) -phenyl, -naphthyl, -(C<sub>14</sub>)aryl, or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of  
which is unsubstituted or substituted with one or more R<sup>7</sup> groups;

30 each R<sup>3</sup> is independently:

(a) -halo, -CN, -OH, -NO<sub>2</sub>, or -NH<sub>2</sub>; or

(b)  $-(C_1-C_{10})$ alkyl,  $-(C_2-C_{10})$ alkenyl,  $-(C_2-C_{10})$ alkynyl,  $-(C_3-C_{10})$ cycloalkyl,  $-(C_8-C_{14})$ bicycloalkyl,  $-(C_8-C_{14})$ tricycloalkyl,  $-(C_5-C_{10})$ cycloalkenyl,  $-(C_8-C_{14})$ bicycloalkenyl,  $-(C_8-C_{14})$ tricycloalkenyl,  $-(C_3-C_7)$ heterocycle, or  $-(C_7-C_{10})$ bicycloheterocycle, each of which is unsubstituted or substituted with one or more  $R^5$  groups; or

(c) -phenyl, -naphthyl,  $-(C_{14})$ aryl or  $-(C_5-C_{10})$ heteroaryl, each of which is unsubstituted or substituted with one or more  $R^7$  groups; each  $R^5$  is independently -CN, -OH,  $-(C_1-C_6)$ alkyl,  $-(C_2-C_6)$ alkenyl,  $-(C_2-C_6)$ alkynyl, -halo,  $-N_3$ ,  $-NO_2$ ,  $-N(R^8)_2$ ,  $-CH=NR^8$ ,  $-NR^8OH$ ,  $-OR^8$ ,  $-COR^8$ ,  $-C(O)OR^8$ ,  $-OC(O)R^8$ ,  $-OC(O)OR^8$ ,  $-SR^8$ ,  $-S(O)R^8$ , or  $-S(O)_2R^8$ ;

$R^6$  is:

(a), -naphthyl,  $-(C_{14})$ aryl, or  $-(C_3-C_8)$ cycloalkyl each of which is unsubstituted or substituted with one or more  $R^7$  groups; or

(b) pyridyl, furyl, benzofuranyl, thiophenyl, benzothiophenyl, quinoliny, indolyl, oxazolyl, benzoxazolyl, imidazolyl, benzimidazolyl, thiazolyl, benzothiazolyl, isoxazolyl, pyrazolyl, isothiazolyl, pyridazinyl, pyrimidinyl, pyrazinyl, thiadiazolyl, triazinyl, cinnoliny, phthalazinyl, or quinazolinyl, each of which is substituted with one or more  $R^7$  groups; each  $R^7$  is independently  $-(C_1-C_6)$ alkyl,  $-(C_2-C_6)$ alkenyl,  $-(C_2-C_6)$ alkynyl,  $-(C_3-C_8)$ cycloalkyl,  $-(C_5-C_8)$ cycloalkenyl, -phenyl,  $-(C_3-C_5)$ heterocycle,  $-C(halo)_3$ ,  $-CH(halo)_2$ ,  $-CH_2(halo)$ , -CN, -OH, -halo,  $-N_3$ ,  $-NO_2$ ,  $-N(R^8)_2$ ,  $-CH=NR^8$ ,  $-NR^8OH$ ,  $-OR^8$ ,  $-COR^8$ ,  $-C(O)OR^8$ ,  $-OC(O)R^8$ ,  $-OC(O)OR^8$ ,  $-SR^8$ ,  $-S(O)R^8$ , or  $-S(O)_2R^8$ ;

each  $R^8$  is independently -H,  $-(C_1-C_6)$ alkyl,  $-(C_2-C_6)$ alkenyl,  $-(C_2-C_6)$ alkynyl,  $-(C_3-C_8)$ cycloalkyl,  $-(C_5-C_8)$ cycloalkenyl, -phenyl,  $-(C_3-C_5)$ heterocycle,  $-C(halo)_3$ ,  $-CH_2(halo)$ , or  $-CH(halo)_2$ ;

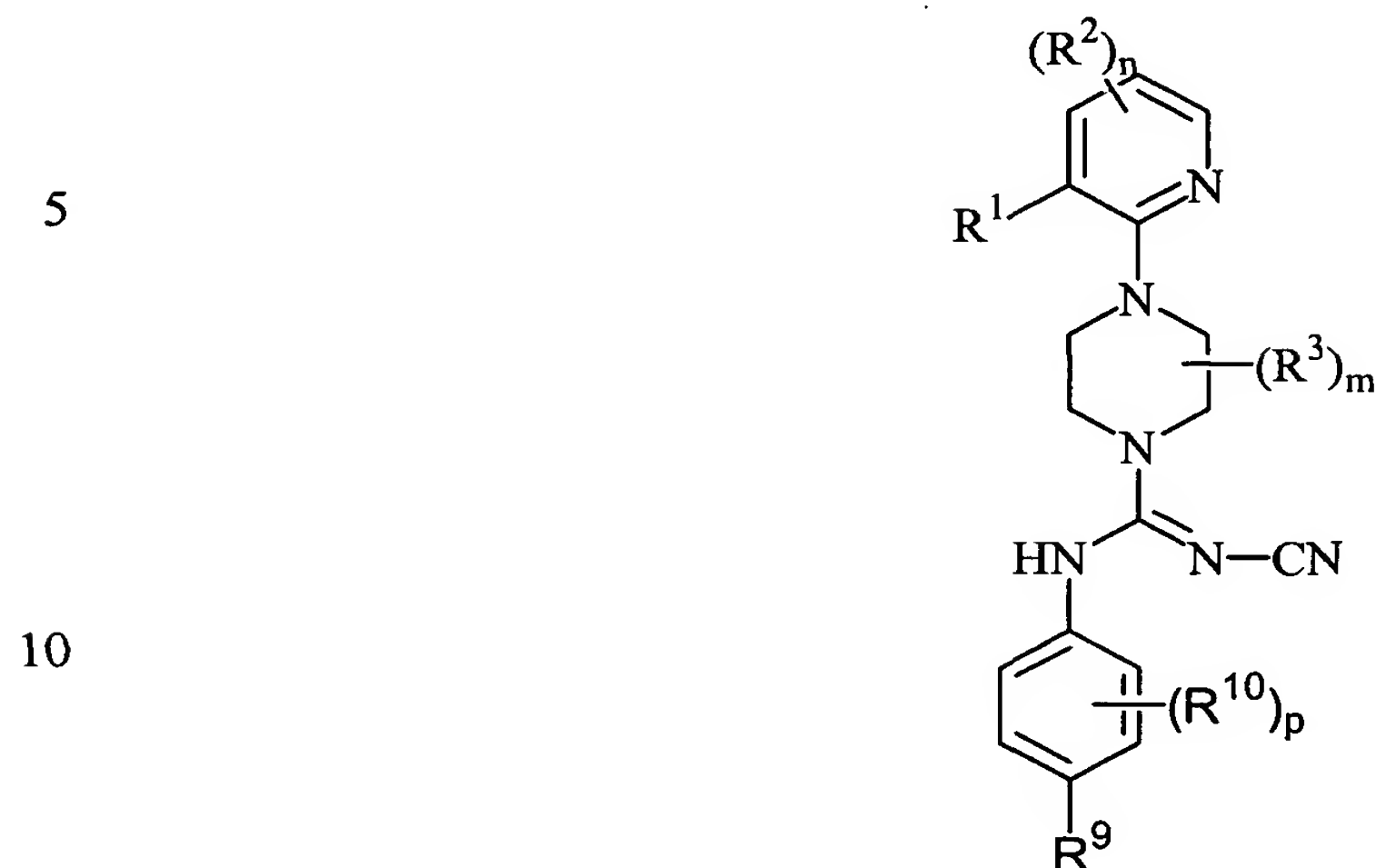
each halo is independently -F, -Cl, -Br or -I;

n is an integer ranging from 0 to 3; and

m is an integer ranging from 0 to 2.

20. The compound of claim 19, wherein  $R^6$  is pyridyl, pyrazinyl, pyrimidinyl, pyridazinyl, or thiadiazolyl.

21. A compound of formula :



(Ib)

15 or a pharmaceutically acceptable salts thereof, wherein:

R<sup>1</sup> is -halo, -CH<sub>3</sub>, -NO<sub>2</sub>, -CN, -OH, -OCH<sub>3</sub>, -NH<sub>2</sub>, -C(halo)<sub>3</sub>, -CH(halo)<sub>2</sub>, or -CH<sub>2</sub>(halo);

each R<sup>2</sup> is independently:

- 20
- (a) -halo, -CN, -OH, -NO<sub>2</sub>, or -NH<sub>2</sub>;
  - (b) -(C<sub>1</sub>-C<sub>10</sub>)alkyl, -(C<sub>2</sub>-C<sub>10</sub>)alkenyl, -(C<sub>2</sub>-C<sub>10</sub>)alkynyl, -(C<sub>3</sub>-C<sub>10</sub>)cycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkyl, -(C<sub>5</sub>-C<sub>10</sub>)cycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkenyl, -(C<sub>3</sub>-C<sub>7</sub>)heterocycle, or -(C<sub>7</sub>-C<sub>10</sub>)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R<sup>5</sup> groups; or

- 25
- (c) -phenyl, -naphthyl, -(C<sub>14</sub>)aryl, or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups;

each R<sup>3</sup> is independently:

- 30
- (a) -halo, -CN, -OH, -NO<sub>2</sub>, or -NH<sub>2</sub>; or
  - (b) -(C<sub>1</sub>-C<sub>10</sub>)alkyl, -(C<sub>2</sub>-C<sub>10</sub>)alkenyl, -(C<sub>2</sub>-C<sub>10</sub>)alkynyl, -(C<sub>3</sub>-C<sub>10</sub>)cycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkyl, -(C<sub>5</sub>-C<sub>10</sub>)cycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkenyl, -(C<sub>3</sub>-C<sub>7</sub>)heterocycle, or -(C<sub>7</sub>-C<sub>10</sub>)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R<sup>5</sup> groups;

C<sub>7</sub>)heterocycle, or -(C<sub>7</sub>-C<sub>10</sub>)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R<sup>5</sup> groups; or

(c) -phenyl, -naphthyl, -(C<sub>14</sub>)aryl or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups;

5 each R<sup>5</sup> is independently -CN, -OH, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl, -halo, -N<sub>3</sub>, -NO<sub>2</sub>, -N(R<sup>8</sup>)<sub>2</sub>, -CH=NR<sup>8</sup>, -NR<sup>8</sup>OH, -OR<sup>8</sup>, -COR<sup>8</sup>, -C(O)OR<sup>8</sup>, -OC(O)R<sup>8</sup>, -OC(O)OR<sup>8</sup>, -SR<sup>8</sup>, -S(O)R<sup>8</sup>, or -S(O)<sub>2</sub>R<sup>8</sup>;

each R<sup>7</sup>, R<sup>9</sup>, and R<sup>10</sup> is independently -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl, -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>5</sub>-C<sub>8</sub>)cycloalkenyl, -phenyl, -(C<sub>3</sub>-C<sub>5</sub>)heterocycle, -  
10 C(halo)<sub>3</sub>, -CH(halo)<sub>2</sub>, -CH<sub>2</sub>(halo), -CN, -OH, -halo, -N<sub>3</sub>, -NO<sub>2</sub>, -N(R<sup>8</sup>)<sub>2</sub>, -CH=NR<sup>8</sup>, -NR<sup>8</sup>OH, -OR<sup>8</sup>, -COR<sup>8</sup>, -C(O)OR<sup>8</sup>, -OC(O)R<sup>8</sup>, -OC(O)OR<sup>8</sup>, -SR<sup>8</sup>, -S(O)R<sup>8</sup>, or -S(O)<sub>2</sub>R<sup>8</sup>;

each R<sup>8</sup> is independently -H, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl, -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>5</sub>-C<sub>8</sub>)cycloalkenyl, -phenyl, -(C<sub>3</sub>-C<sub>5</sub>)heterocycle, -C(halo)<sub>3</sub>, -CH<sub>2</sub>(halo), or -CH(halo)<sub>2</sub>;

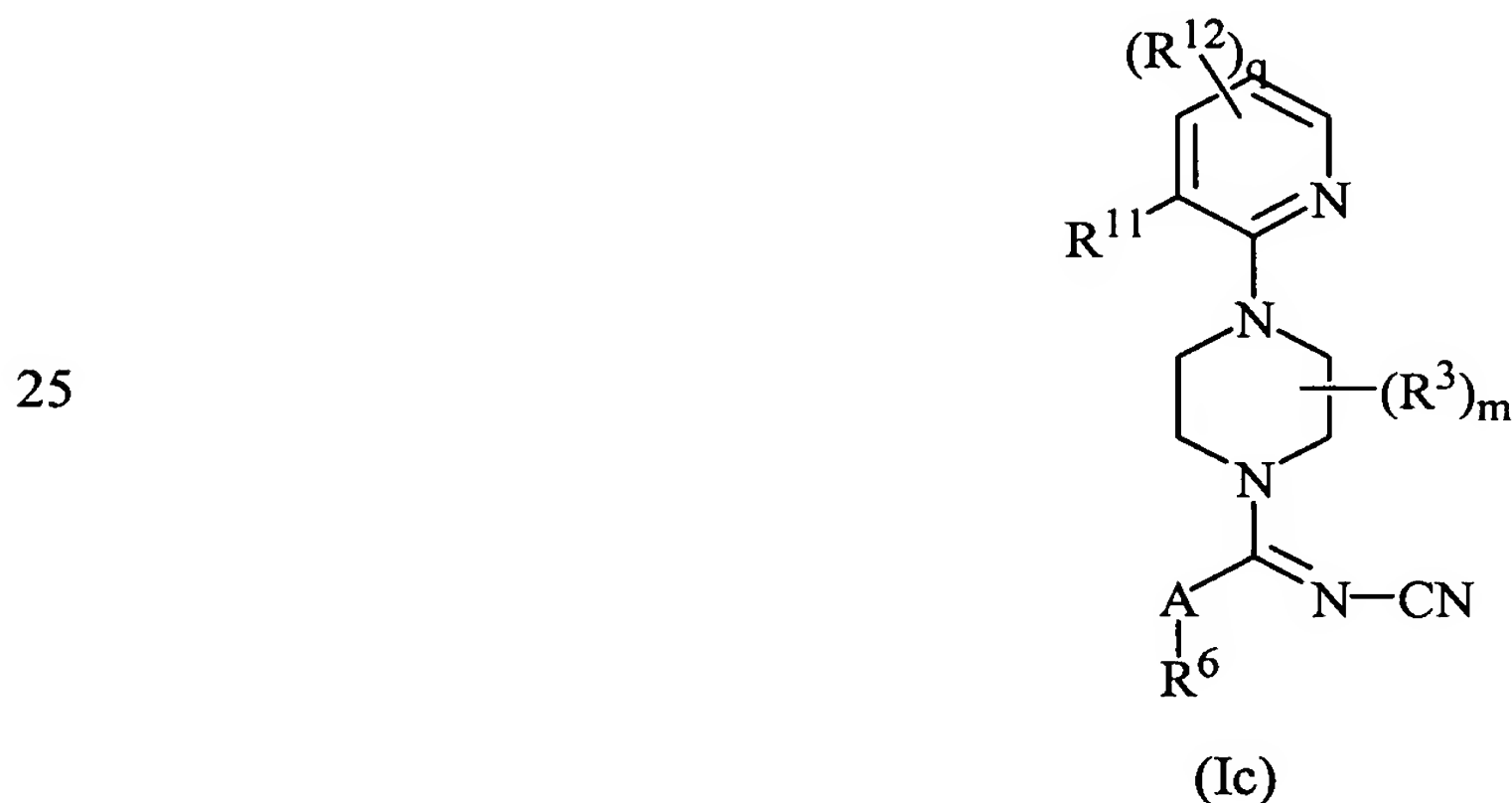
15 each halo is independently -F, -Cl, -Br or -I;

n is an integer ranging from 0 to 3;

m is an integer ranging from 0 to 2; and

p is an integer ranging from 0 to 4.

20 22. A compound of formula :



30 or a pharmaceutically acceptable salts thereof, wherein:

A is -NR<sup>4</sup>-, -O-, or -S-;

each R<sup>3</sup> is independently:

(a) -halo, -CN, -OH, -NO<sub>2</sub>, or -NH<sub>2</sub>; or

(b) -(C<sub>1</sub>-C<sub>10</sub>)alkyl, -(C<sub>2</sub>-C<sub>10</sub>)alkenyl, -(C<sub>2</sub>-C<sub>10</sub>)alkynyl, -(C<sub>3</sub>-C<sub>10</sub>)cycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkyl, -(C<sub>5</sub>-C<sub>10</sub>)cycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkenyl, -(C<sub>3</sub>-C<sub>7</sub>)heterocycle, or -(C<sub>7</sub>-C<sub>10</sub>)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R<sup>5</sup> groups; or

(c) -phenyl, -naphthyl, -(C<sub>14</sub>)aryl or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups;

R<sup>4</sup> is -(C<sub>1</sub>-C<sub>6</sub>)alkyl, or -O-(C<sub>1</sub>-C<sub>6</sub>)alkyl;

each R<sup>5</sup> is independently -CN, -OH, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl, -halo, -N<sub>3</sub>, -NO<sub>2</sub>, -N(R<sup>8</sup>)<sub>2</sub>, -CH=NR<sup>8</sup>, -NR<sup>8</sup>OH, -OR<sup>8</sup>, -COR<sup>8</sup>, -C(O)OR<sup>8</sup>, -OC(O)R<sup>8</sup>, -OC(O)OR<sup>8</sup>, -SR<sup>8</sup>, -S(O)R<sup>8</sup>, or -S(O)<sub>2</sub>R<sup>8</sup>;

R<sup>6</sup> is -phenyl, -naphthyl, -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>14</sub>)aryl, or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl,

each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups;

each R<sup>7</sup> is independently -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl, -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>5</sub>-C<sub>8</sub>)cycloalkenyl, -phenyl, -(C<sub>3</sub>-C<sub>5</sub>)heterocycle, -C(halo)<sub>3</sub>, -CH(halo)<sub>2</sub>, -CH<sub>2</sub>(halo), -CN, -OH, -halo, -N<sub>3</sub>, -NO<sub>2</sub>, -N(R<sup>8</sup>)<sub>2</sub>, -CH=NR<sup>8</sup>, -NR<sup>8</sup>OH, -OR<sup>8</sup>, -COR<sup>8</sup>, -C(O)OR<sup>8</sup>, -OC(O)R<sup>8</sup>, -OC(O)OR<sup>8</sup>, -SR<sup>8</sup>, -S(O)R<sup>8</sup>, or -S(O)<sub>2</sub>R<sup>8</sup>;

each R<sup>8</sup> is independently -H, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl, -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>5</sub>-C<sub>8</sub>)cycloalkenyl, -phenyl, -(C<sub>3</sub>-C<sub>5</sub>)heterocycle, -C(halo)<sub>3</sub>, -CH<sub>2</sub>(halo), or -CH(halo)<sub>2</sub>;

R<sup>11</sup> is -hydrogen, -halo, -CH<sub>3</sub>, -NO<sub>2</sub>, -CN, -OH, -OCH<sub>3</sub>, -NH<sub>2</sub>, -C(halo)<sub>3</sub>, -CH(halo)<sub>2</sub>, or -CH<sub>2</sub>(halo);

each R<sup>12</sup> is independently:

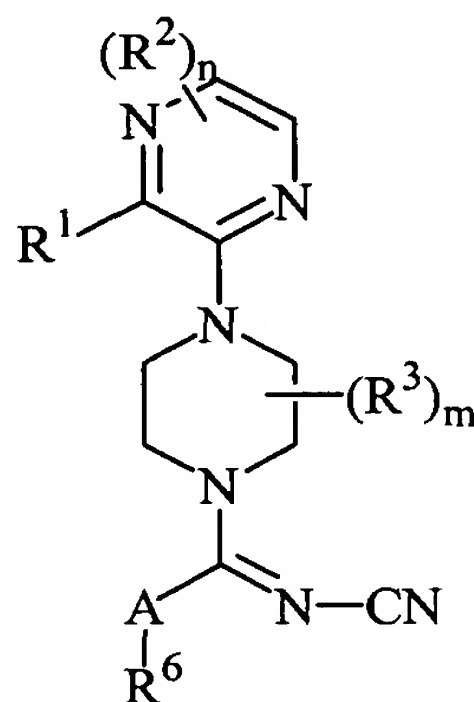
(a) -halo, -CN, -OH, -NO<sub>2</sub>, or -NH<sub>2</sub>;

(b) -(C<sub>1</sub>-C<sub>10</sub>)alkyl, -(C<sub>2</sub>-C<sub>10</sub>)alkenyl, -(C<sub>2</sub>-C<sub>10</sub>)alkynyl, -(C<sub>3</sub>-C<sub>10</sub>)cycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkyl, -(C<sub>5</sub>-C<sub>10</sub>)cycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkenyl, -(C<sub>3</sub>-C<sub>7</sub>)heterocycle, or -(C<sub>7</sub>-C<sub>10</sub>)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R<sup>5</sup> groups; or



(c) -phenyl, -naphthyl, -(C<sub>14</sub>)aryl, or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups;  
 m is an integer ranging from 0 to 2; and  
 q is an integer ranging from 0 to 3.

23. A compound of formula :



(II)

and pharmaceutically acceptable salts thereof, wherein:

A is -NR<sup>4</sup>-, -O-, or -S-;

R<sup>1</sup> is -halo, -CH<sub>3</sub>, -NO<sub>2</sub>, -CN, -OH, -OCH<sub>3</sub>, -NH<sub>2</sub>, -C(halo)<sub>3</sub>, -CH(halo)<sub>2</sub>, or -CH<sub>2</sub>(halo);

each R<sup>2</sup> is independently:

(a) -halo, -CN, -OH, -NO<sub>2</sub>, or -NH<sub>2</sub>;

(b) -(C<sub>1</sub>-C<sub>10</sub>)alkyl, -(C<sub>2</sub>-C<sub>10</sub>)alkenyl, -(C<sub>2</sub>-C<sub>10</sub>)alkynyl, -(C<sub>3</sub>-C<sub>10</sub>)cycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkyl, -(C<sub>5</sub>-C<sub>10</sub>)cycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkenyl, -(C<sub>3</sub>-C<sub>7</sub>)heterocycle, or -(C<sub>7</sub>-C<sub>10</sub>)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R<sup>5</sup> groups; or

(c) -phenyl, -naphthyl, -(C<sub>14</sub>)aryl, or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups;  
 each R<sup>3</sup> is independently:

(a) -halo, -CN, -OH, -NO<sub>2</sub>, or -NH<sub>2</sub>;

- (b)  $-(C_1-C_{10})$ alkyl,  $-(C_2-C_{10})$ alkenyl,  $-(C_2-C_{10})$ alkynyl,  $-(C_3-C_{10})$ cycloalkyl,  $-(C_8-C_{14})$ bicycloalkyl,  $-(C_8-C_{14})$ tricycloalkyl,  $-(C_5-C_{10})$ cycloalkenyl,  $-(C_8-C_{14})$ bicycloalkenyl,  $-(C_8-C_{14})$ tricycloalkenyl,  $-(C_3-C_7)$ heterocycle, or  $-(C_7-C_{10})$ bicycloheterocycle, each of which is unsubstituted or substituted with one or more  $R^5$  groups; or
- (c) -phenyl, -naphthyl,  $-(C_{14})$ aryl or  $-(C_5-C_{10})$ heteroaryl, each of which is unsubstituted or substituted with one or more  $R^7$  groups;  
 $R^4$  is hydrogen,  $-(C_1-C_6)$ alkyl, or  $-O-(C_1-C_6)$ alkyl;  
each  $R^5$  is independently -CN, -OH,  $-(C_1-C_6)$ alkyl,  $-(C_2-C_6)$ alkenyl,  $-(C_2-C_6)$ alkynyl,  $-(C_2-C_6)$ alkenyl, -halo,  $-N_3$ ,  $-NO_2$ ,  $-N(R^8)_2$ ,  $-CH=NR^8$ ,  $-NR^8OH$ ,  $-OR^8$ ,  $-COR^8$ ,  $-C(O)OR^8$ ,  $-OC(O)R^8$ ,  $-OC(O)OR^8$ ,  $-SR^8$ ,  $-S(O)R^8$ , or  $-S(O)_2R^8$ ;
- $R^6$  is -phenyl, -naphthyl,  $-(C_3-C_8)$ cycloalkyl,  $-(C_{14})$ aryl, or  $-(C_5-C_{10})$ heteroaryl, each of which is unsubstituted or substituted with one or more  $R^7$  groups;  
each  $R^7$  is independently  $-(C_1-C_6)$ alkyl,  $-(C_2-C_6)$ alkenyl,  $-(C_2-C_6)$ alkynyl,  $-(C_3-C_8)$ cycloalkyl,  $-(C_5-C_8)$ cycloalkenyl, -phenyl,  $-(C_3-C_5)$ heterocycle,  $-C(halo)_3$ ,  $-CH_2(halo)$ ,  $-CH(halo)_2$ , -CN, -OH, -halo,  $-N_3$ ,  $-NO_2$ ,  $-N(R^8)_2$ ,  $-CH=NR^8$ ,  $-NR^8OH$ ,  $-OR^8$ ,  $-COR^8$ ,  $-C(O)OR^8$ ,  $-OC(O)R^8$ ,  $-OC(O)OR^8$ ,  $-SR^8$ ,  $-S(O)R^8$ , or  $-S(O)_2R^8$ ;
- each  $R^8$  is independently -H,  $-(C_1-C_6)$ alkyl,  $-(C_2-C_6)$ alkenyl,  $-(C_2-C_6)$ alkynyl,  $-(C_3-C_8)$ cycloalkyl,  $-(C_5-C_8)$ cycloalkenyl, -phenyl,  $-(C_3-C_5)$ heterocycle,  $-C(halo)_3$ ,  $-CH_2(halo)$ , or  $-CH(halo)_2$ ;
- each halo is independently -F, -Cl, -Br or -I;  
n is an integer ranging from 0 to 2; and  
m is an integer ranging from 0 to 2.
24. The compound of claim 23, wherein A is -NH-.
25. The compound of claim 24, wherein:  
n is 0;  
m is 0; and  
 $R^6$  is phenyl.

26. The compound of claim 25, wherein the R<sup>6</sup> phenyl is unsubstituted.
27. The compound of claim 25, wherein the R<sup>6</sup> phenyl is substituted at the 4-position.
- 5 28. The compound of claim 27, wherein the R<sup>6</sup> phenyl is substituted with a -(C<sub>1</sub>-C<sub>6</sub>) alkyl.
- 10 29. The compound of claim 28, wherein the -(C<sub>1</sub>-C<sub>6</sub>) alkyl is a *tert*-butyl group.
30. The compound of claim 28, wherein the -(C<sub>1</sub>-C<sub>6</sub>) alkyl is an *iso*-propyl group.
- 15 31. The compound of claim 27, wherein the R<sup>6</sup> phenyl is substituted with a -CF<sub>3</sub> group.
- 20 32. The compound of claim 25, wherein R<sup>1</sup> is chloro or methyl.
33. The compound of claim 32, wherein the R<sup>6</sup> phenyl is unsubstituted.
34. The compound of claim 32, wherein the R<sup>6</sup> phenyl is substituted at the 4-position.
- 25 35. The compound of claim 34, wherein the R<sup>6</sup> phenyl is substituted with a -(C<sub>1</sub>-C<sub>6</sub>) alkyl.
- 30 36. The compound of claim 35, wherein the -(C<sub>1</sub>-C<sub>6</sub>) alkyl is a *tert*-butyl group.

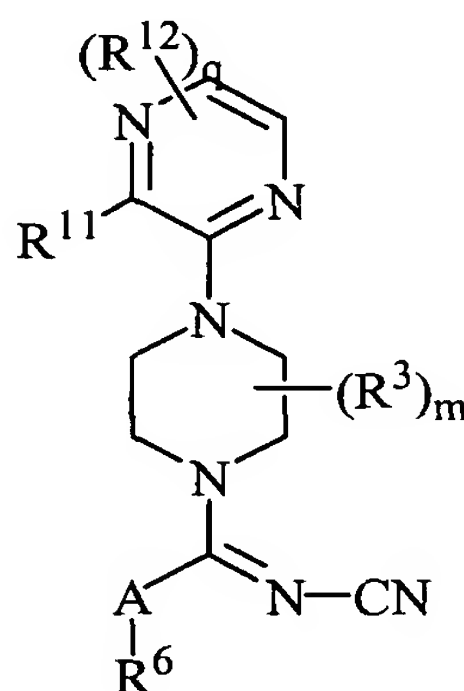
37. The compound of claim 35, wherein the  $-(C_1-C_6)$  alkyl is an *iso*-propyl group.

38. The compound of claim 34, wherein the  $R^6$  phenyl is substituted with a  $-CF_3$  group.

39. The compound of claim 23, wherein A is  $-O-$ .

40. The compound of claim 23, wherein A is  $-S-$ .

41. A compound of formula :



(IIa)

or a pharmaceutically acceptable salts thereof, wherein:

A is  $-NR^4-$ ,  $-O-$ , or  $-S-$ ;

each  $R^3$  is independently:

(a)  $-halo$ ,  $-CN$ ,  $-OH$ ,  $-NO_2$ , or  $-NH_2$ ;

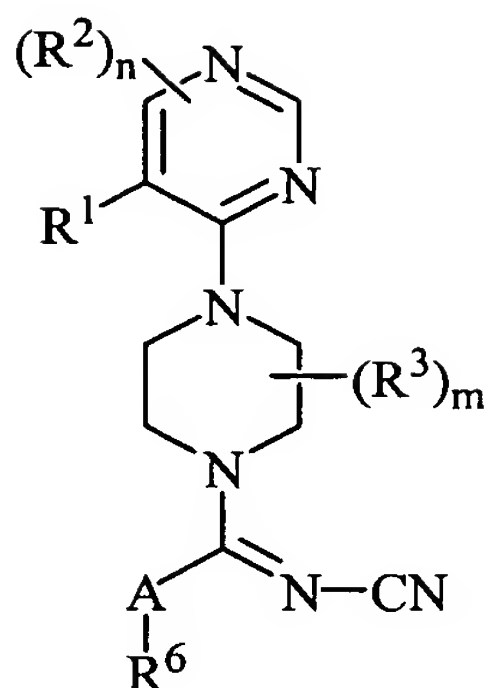
(b)  $-(C_1-C_{10})alkyl$ ,  $-(C_2-C_{10})alkenyl$ ,  $-(C_2-C_{10})alkynyl$ ,  $-(C_3-C_{10})cycloalkyl$ ,  $-(C_8-C_{14})bicycloalkyl$ ,  $-(C_8-C_{14})tricycloalkyl$ ,  $-(C_5-C_{10})cycloalkenyl$ ,  $-(C_8-C_{14})bicycloalkenyl$ ,  $-(C_8-C_{14})tricycloalkenyl$ ,  $-(C_3-C_7)heterocycle$ , or  $-(C_7-C_{10})bicycloheterocycle$ , each of which is unsubstituted or substituted with one or more  $R^5$  groups; or

- (c) -phenyl, -naphthyl, -(C<sub>14</sub>)aryl or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups;  
R<sup>4</sup> is hydrogen, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, or -O-(C<sub>1</sub>-C<sub>6</sub>)alkyl;  
each R<sup>5</sup> is independently -CN, -OH, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -  
5 (C<sub>2</sub>-C<sub>6</sub>)alkenyl, -halo, -N<sub>3</sub>, -NO<sub>2</sub>, -N(R<sup>8</sup>)<sub>2</sub>, -CH=NR<sup>8</sup>, -NR<sup>8</sup>OH, -OR<sup>8</sup>, -COR<sup>8</sup>, -C(O)OR<sup>8</sup>,  
-OC(O)R<sup>8</sup>, -OC(O)OR<sup>8</sup>, -SR<sup>8</sup>, -S(O)R<sup>8</sup>, or -S(O)<sub>2</sub>R<sup>8</sup>;  
R<sup>6</sup> is -phenyl, -naphthyl, -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>14</sub>)aryl, or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl,  
each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups;  
each R<sup>7</sup> is independently -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl,  
10 -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>5</sub>-C<sub>8</sub>)cycloalkenyl, -phenyl, -(C<sub>3</sub>-C<sub>5</sub>)heterocycle, -C(halo)<sub>3</sub>,  
-CH<sub>2</sub>(halo), -CH(halo)<sub>2</sub>, -CN, -OH, -halo, -N<sub>3</sub>, -NO<sub>2</sub>, -N(R<sup>8</sup>)<sub>2</sub>, -CH=NR<sup>8</sup>, -NR<sup>8</sup>OH, -OR<sup>8</sup>,  
-COR<sup>8</sup>, -C(O)OR<sup>8</sup>, -OC(O)R<sup>8</sup>, -OC(O)OR<sup>8</sup>, -SR<sup>8</sup>, -S(O)R<sup>8</sup>, or -S(O)<sub>2</sub>R<sup>8</sup>;  
each R<sup>8</sup> is independently -H, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl,  
-(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>5</sub>-C<sub>8</sub>)cycloalkenyl, -phenyl, -(C<sub>3</sub>-C<sub>5</sub>)heterocycle, -C(halo)<sub>3</sub>,  
15 -CH<sub>2</sub>(halo), or -CH(halo)<sub>2</sub>;  
R<sup>11</sup> is -hydrogen, -halo, -CH<sub>3</sub>, -NO<sub>2</sub>, -CN, -OH, -OCH<sub>3</sub>, -NH<sub>2</sub>, -C(halo)<sub>3</sub>, -  
CH(halo)<sub>2</sub>, or -CH<sub>2</sub>(halo);  
each R<sup>12</sup> is independently:  
(a) -halo, -CN, -OH, -NO<sub>2</sub>, or -NH<sub>2</sub>;  
20 (b) -(C<sub>1</sub>-C<sub>10</sub>)alkyl, -(C<sub>2</sub>-C<sub>10</sub>)alkenyl, -(C<sub>2</sub>-C<sub>10</sub>)alkynyl, -(C<sub>3</sub>-  
C<sub>10</sub>)cycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkyl, -(C<sub>5</sub>-  
C<sub>10</sub>)cycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkenyl, -(C<sub>3</sub>-  
C<sub>7</sub>)heterocycle, or -(C<sub>7</sub>-C<sub>10</sub>)bicycloheterocycle, each of which is unsubstituted  
or substituted with one or more R<sup>5</sup> groups; or  
25 (c) -phenyl, -naphthyl, -(C<sub>14</sub>)aryl, or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of  
which is unsubstituted or substituted with one or more R<sup>7</sup> groups; and  
each halo is independently -F, -Cl, -Br or -I;  
q is an integer ranging from 0 to 2; and  
m is an integer ranging from 0 to 2.

30

42. A compound of formula :

5



(III)

10 or a pharmaceutically acceptable salts thereof, wherein:

A is -NR<sup>4</sup>-, -O-, or -S-;

R<sup>1</sup> is -halo, -CH<sub>3</sub>, -NO<sub>2</sub>, -CN, -OH, -OCH<sub>3</sub>, -NH<sub>2</sub>, -C(halo)<sub>3</sub>, -CH(halo)<sub>2</sub>, or -CH<sub>2</sub>(halo);

each R<sup>2</sup> is independently:

15

(a) -halo, -CN, -OH, -NO<sub>2</sub>, or -NH<sub>2</sub>;

(b) -(C<sub>1</sub>-C<sub>10</sub>)alkyl, -(C<sub>2</sub>-C<sub>10</sub>)alkenyl, -(C<sub>2</sub>-C<sub>10</sub>)alkynyl, -(C<sub>3</sub>-C<sub>10</sub>)cycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkyl, -(C<sub>5</sub>-C<sub>10</sub>)cycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkenyl, -(C<sub>3</sub>-C<sub>7</sub>)heterocycle, or -(C<sub>7</sub>-C<sub>10</sub>)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R<sup>5</sup> groups; or

20

(c) -phenyl, -naphthyl, -(C<sub>14</sub>)aryl, or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups;

each R<sup>3</sup> is independently:

(a) -halo, -CN, -OH, -NO<sub>2</sub>, or -NH<sub>2</sub>;

25

(b) -(C<sub>1</sub>-C<sub>10</sub>)alkyl, -(C<sub>2</sub>-C<sub>10</sub>)alkenyl, -(C<sub>2</sub>-C<sub>10</sub>)alkynyl, -(C<sub>3</sub>-C<sub>10</sub>)cycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkyl, -(C<sub>5</sub>-C<sub>10</sub>)cycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkenyl, -(C<sub>3</sub>-C<sub>7</sub>)heterocycle, or -(C<sub>7</sub>-C<sub>10</sub>)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R<sup>5</sup> groups; or

30

(c) -phenyl, -naphthyl, -(C<sub>14</sub>)aryl or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups;

R<sup>4</sup> is -(C<sub>1</sub>-C<sub>6</sub>)alkyl, or -O-(C<sub>1</sub>-C<sub>6</sub>)alkyl;

each R<sup>5</sup> is independently -CN, -OH, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl, -halo, -N<sub>3</sub>, -NO<sub>2</sub>, -N(R<sup>8</sup>)<sub>2</sub>, -CH=NR<sup>8</sup>, -NR<sup>8</sup>OH, -OR<sup>8</sup>, -COR<sup>8</sup>, -C(O)OR<sup>8</sup>, -OC(O)R<sup>8</sup>, -OC(O)OR<sup>8</sup>, -SR<sup>8</sup>, -S(O)R<sup>8</sup>, or -S(O)<sub>2</sub>R<sup>8</sup>;

5 R<sup>6</sup> is -phenyl, -naphthyl, -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>14</sub>)aryl, or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups;

each R<sup>7</sup> is independently -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl, -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>5</sub>-C<sub>8</sub>)cycloalkenyl, -phenyl, -(C<sub>3</sub>-C<sub>5</sub>)heterocycle, -C(halo)<sub>3</sub>, -CH(halo)<sub>2</sub>, -CH<sub>2</sub>(halo), -CN, -OH, -halo, -N<sub>3</sub>, -NO<sub>2</sub>, -N(R<sup>8</sup>)<sub>2</sub>, -CH=NR<sup>8</sup>, -NR<sup>8</sup>OH, -OR<sup>8</sup>,  
10 -COR<sup>8</sup>, -C(O)OR<sup>8</sup>, -OC(O)R<sup>8</sup>, -OC(O)OR<sup>8</sup>, -SR<sup>8</sup>, -S(O)R<sup>8</sup>, or -S(O)<sub>2</sub>R<sup>8</sup>;

each R<sup>8</sup> is independently -H, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl, -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>5</sub>-C<sub>8</sub>)cycloalkenyl, -phenyl, -(C<sub>3</sub>-C<sub>5</sub>)heterocycle, -C(halo)<sub>3</sub>, -CH<sub>2</sub>(halo), or -CH(halo)<sub>2</sub>;

each halo is independently -F, -Cl, -Br or -I;

15 n is an integer ranging from 0 to 2; and  
m is an integer ranging from 0 to 2.

43. The compound of claim 42, wherein A is -NR<sup>4</sup>-.

20 44. The compound of claim 43, wherein:  
n is 0;  
m is 0; and  
R<sup>6</sup> is phenyl.

25 45. The compound of claim 44, wherein the R<sup>6</sup> phenyl is unsubstituted.

46. The compound of claim 44, wherein the R<sup>6</sup> phenyl is substituted at the 4-position.

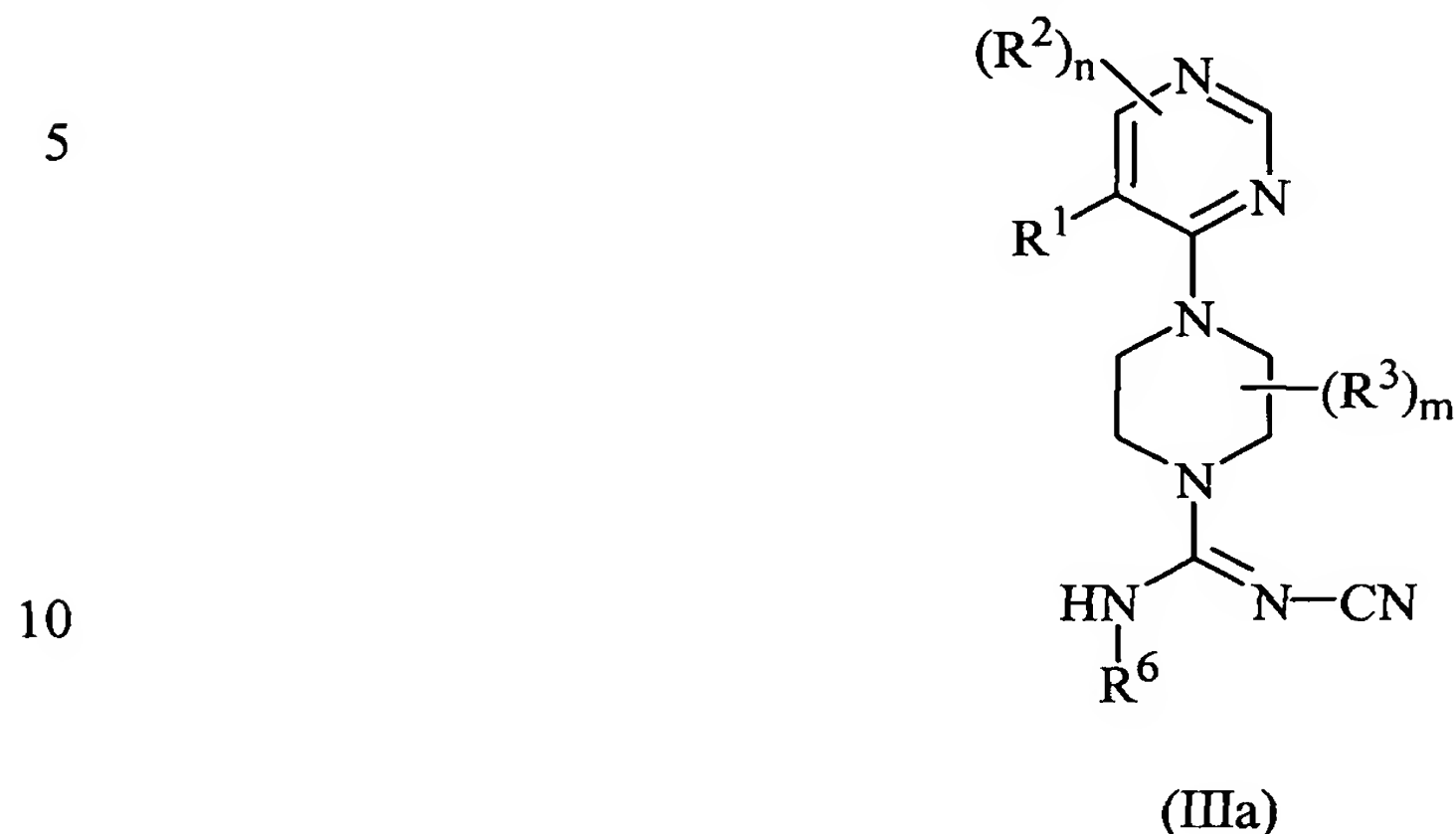
30 47. The compound of claim 46, wherein the R<sup>6</sup> phenyl is substituted with a -(C<sub>1</sub>-C<sub>6</sub>) alkyl.

48. The compound of claim 47, wherein the  $-(C_1-C_6)$  alkyl is a *tert*-butyl group.
- 5 49. The compound of claim 47, wherein the  $-(C_1-C_6)$  alkyl is an *iso*-propyl group.
- 10 50. The compound of claim 46, wherein the  $R^6$  phenyl is substituted with a  $-CF_3$  group.
51. The compound of claim 44, wherein  $R^1$  is chloro or methyl.
52. The compound of claim 51, wherein the  $R^6$  phenyl is unsubstituted.
- 15 53. The compound of claim 51, wherein the  $R^6$  phenyl is substituted at the 4-position.
- 20 54. The compound of claim 53, wherein the  $R^6$  phenyl is substituted with a  $-(C_1-C_6)$  alkyl.
- 25 55. The compound of claim 54, wherein the  $-(C_1-C_6)$  alkyl is a *tert*-butyl group.
56. The compound of claim 54, wherein the  $-(C_1-C_6)$  alkyl is an *iso*-propyl group.
- 30 57. The compound of claim 53, wherein the  $R^6$  phenyl is substituted with a  $-CF_3$  group.
58. The compound of claim 42, wherein A is -O-.



59. The compound of claim 42, wherein A is -S-.

60. A compound of formula :



or a pharmaceutically acceptable salts thereof, wherein:

15  $R^1$  is -halo,  $-CH_3$ ,  $-NO_2$ ,  $-CN$ ,  $-OH$ ,  $-OCH_3$ ,  $-NH_2$ ,  $-C(halo)_3$ ,  $-CH(halo)_2$ , or  $-CH_2(halo)$ ;

each  $R^2$  is independently:

(a) -halo,  $-CN$ ,  $-OH$ ,  $-NO_2$ , or  $-NH_2$ ;

(b)  $-(C_1-C_{10})$ alkyl,  $-(C_2-C_{10})$ alkenyl,  $-(C_2-C_{10})$ alkynyl,  $-(C_3-C_{10})$ cycloalkyl,  $-(C_8-C_{14})$ bicycloalkyl,  $-(C_8-C_{14})$ tricycloalkyl,  $-(C_5-C_{10})$ cycloalkenyl,  $-(C_8-C_{14})$ bicycloalkenyl,  $-(C_8-C_{14})$ tricycloalkenyl,  $-(C_3-C_7)$ heterocycle, or  $-(C_7-C_{10})$ bicycloheterocycle, each of which is unsubstituted or substituted with one or more  $R^5$  groups; or

20

(c) -phenyl, -naphthyl,  $-(C_{14})$ aryl, or  $-(C_5-C_{10})$ heteroaryl, each of which is unsubstituted or substituted with one or more  $R^7$  groups;

25 each  $R^3$  is independently:

(a) -halo,  $-CN$ ,  $-OH$ ,  $-NO_2$ , or  $-NH_2$ ; or

(b)  $-(C_1-C_{10})$ alkyl,  $-(C_2-C_{10})$ alkenyl,  $-(C_2-C_{10})$ alkynyl,  $-(C_3-C_{10})$ cycloalkyl,  $-(C_8-C_{14})$ bicycloalkyl,  $-(C_8-C_{14})$ tricycloalkyl,  $-(C_5-C_{10})$ cycloalkenyl,  $-(C_8-C_{14})$ bicycloalkenyl,  $-(C_8-C_{14})$ tricycloalkenyl,  $-(C_3-C_7)$ heterocycle, or  $-(C_7-C_{10})$ bicycloheterocycle, each of which is unsubstituted or substituted with one or more  $R^5$  groups; or

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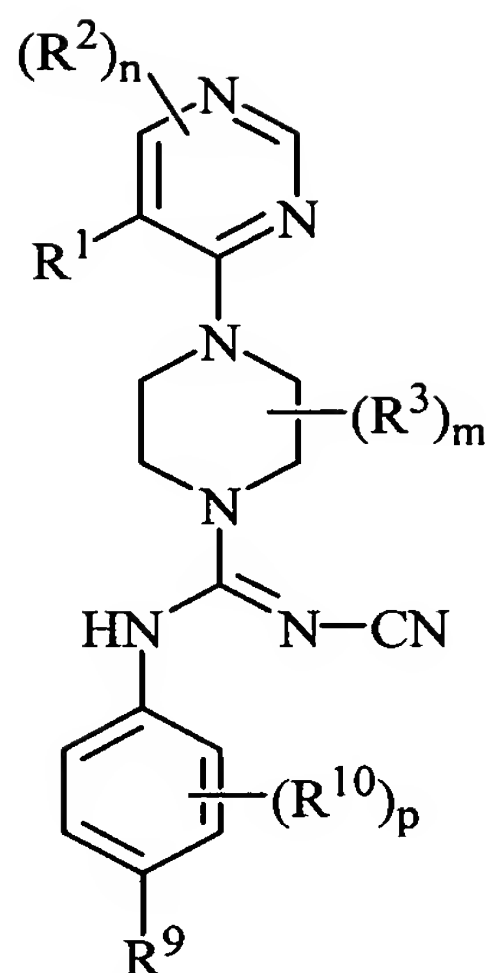
(c) -phenyl, -naphthyl, -(C<sub>14</sub>)aryl or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups;  
each R<sup>5</sup> is independently -CN, -OH, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl, -halo, -N<sub>3</sub>, -NO<sub>2</sub>, -N(R<sup>8</sup>)<sub>2</sub>, -CH=NR<sup>8</sup>, -NR<sup>8</sup>OH, -OR<sup>8</sup>, -COR<sup>8</sup>, -C(O)OR<sup>8</sup>,  
5 -OC(O)R<sup>8</sup>, -OC(O)OR<sup>8</sup>, -SR<sup>8</sup>, -S(O)R<sup>8</sup>, or -S(O)<sub>2</sub>R<sup>8</sup>;  
R<sup>6</sup> is:  
(a), -naphthyl, -(C<sub>14</sub>)aryl, or -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups; or  
(b) pyridyl, furyl, benzofuranyl, thiophenyl, benzothiophenyl,  
10 quinoliny, indolyl, oxazolyl, benzoxazolyl, imidazolyl, benzimidazolyl, thiazolyl, benzothiazolyl, isoxazolyl, pyrazolyl, isothiazolyl, pyridazinyl, pyrimidinyl, pyrazinyl, thiadiazolyl, triazinyl, cinnoliny, phthalazinyl, or quinazolinyl, each of which is substituted with one or more R<sup>7</sup> groups;  
each R<sup>7</sup> is independently -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl,  
15 -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>5</sub>-C<sub>8</sub>)cycloalkenyl, -phenyl, -(C<sub>3</sub>-C<sub>5</sub>)heterocycle, -C(halo)<sub>3</sub>, -CH(halo)<sub>2</sub>, -CH<sub>2</sub>(halo), -CN, -OH, -halo, -N<sub>3</sub>, -NO<sub>2</sub>, -N(R<sup>8</sup>)<sub>2</sub>, -CH=NR<sup>8</sup>, -NR<sup>8</sup>OH, -OR<sup>8</sup>, -COR<sup>8</sup>, -C(O)OR<sup>8</sup>, -OC(O)R<sup>8</sup>, -OC(O)OR<sup>8</sup>, -SR<sup>8</sup>, -S(O)R<sup>8</sup>, or -S(O)<sub>2</sub>R<sup>8</sup>;  
each R<sup>8</sup> is independently -H, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl, -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>5</sub>-C<sub>8</sub>)cycloalkenyl, -phenyl, -(C<sub>3</sub>-C<sub>5</sub>)heterocycle, -C(halo)<sub>3</sub>,  
20 -CH<sub>2</sub>(halo), or -CH(halo)<sub>2</sub>;  
each halo is independently -F, -Cl, -Br or -I;  
n is an integer ranging from 0 to 2; and  
m is an integer ranging from 0 to 2.

25 61. The compound of claim 60, wherein R<sup>6</sup> is pyridyl, pyrazinyl, pyrimidinyl, pyridazinyl, or thiadiazolyl.

62. A compound of formula :

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(IIIb)

or a pharmaceutically acceptable salts thereof, wherein:

15  $R^1$  is -halo, -CH<sub>3</sub>, -NO<sub>2</sub>, -CN, -OH, -OCH<sub>3</sub>, -NH<sub>2</sub>, -C(halo)<sub>3</sub>, -CH(halo)<sub>2</sub>, or -CH<sub>2</sub>(halo);

each  $R^2$  is independently:

(a) -halo, -CN, -OH, -NO<sub>2</sub>, or -NH<sub>2</sub>;  
 (b) -(C<sub>1</sub>-C<sub>10</sub>)alkyl, -(C<sub>2</sub>-C<sub>10</sub>)alkenyl, -(C<sub>2</sub>-C<sub>10</sub>)alkynyl, -(C<sub>3</sub>-C<sub>10</sub>)cycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkyl, -(C<sub>5</sub>-C<sub>10</sub>)cycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkenyl, -(C<sub>3</sub>-C<sub>7</sub>)heterocycle, or -(C<sub>7</sub>-C<sub>10</sub>)bicycloheterocycle, each of which is unsubstituted or substituted with one or more  $R^5$  groups; or

(c) -phenyl, -naphthyl, -(C<sub>14</sub>)aryl, or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of which is unsubstituted or substituted with one or more  $R^7$  groups;

25 each  $R^3$  is independently:

(a) -halo, -CN, -OH, -NO<sub>2</sub>, or -NH<sub>2</sub>; or  
 (b) -(C<sub>1</sub>-C<sub>10</sub>)alkyl, -(C<sub>2</sub>-C<sub>10</sub>)alkenyl, -(C<sub>2</sub>-C<sub>10</sub>)alkynyl, -(C<sub>3</sub>-C<sub>10</sub>)cycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkyl, -(C<sub>5</sub>-C<sub>10</sub>)cycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkenyl, -(C<sub>3</sub>-C<sub>7</sub>)heterocycle, or -(C<sub>7</sub>-C<sub>10</sub>)bicycloheterocycle, each of which is unsubstituted or substituted with one or more  $R^5$  groups; or

30

(c) -phenyl, -naphthyl, -(C<sub>14</sub>)aryl or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups;

each R<sup>5</sup> is independently -CN, -OH, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl, -halo, -N<sub>3</sub>, -NO<sub>2</sub>, -N(R<sup>8</sup>)<sub>2</sub>, -CH=NR<sup>8</sup>, -NR<sup>8</sup>OH, -OR<sup>8</sup>, -COR<sup>8</sup>, -C(O)OR<sup>8</sup>,  
5 -OC(O)R<sup>8</sup>, -OC(O)OR<sup>8</sup>, -SR<sup>8</sup>, -S(O)R<sup>8</sup>, or -S(O)<sub>2</sub>R<sup>8</sup>;

each R<sup>7</sup>, R<sup>9</sup>, and R<sup>10</sup> is independently -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl, -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>5</sub>-C<sub>8</sub>)cycloalkenyl, -phenyl, -(C<sub>3</sub>-C<sub>5</sub>)heterocycle, -C(halo)<sub>3</sub>, -CH(halo)<sub>2</sub>, -CH<sub>2</sub>(halo), -CN, -OH, -halo, -N<sub>3</sub>, -NO<sub>2</sub>, -N(R<sup>8</sup>)<sub>2</sub>, -CH=NR<sup>8</sup>, -NR<sup>8</sup>OH, -OR<sup>8</sup>, -COR<sup>8</sup>, -C(O)OR<sup>8</sup>, -OC(O)R<sup>8</sup>, -OC(O)OR<sup>8</sup>, -SR<sup>8</sup>, -S(O)R<sup>8</sup>, or -S(O)<sub>2</sub>R<sup>8</sup>;

10 each R<sup>8</sup> is independently -H, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl, -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>5</sub>-C<sub>8</sub>)cycloalkenyl, -phenyl, -(C<sub>3</sub>-C<sub>5</sub>)heterocycle, -C(halo)<sub>3</sub>, -CH<sub>2</sub>(halo), or -CH(halo)<sub>2</sub>;

each halo is independently -F, -Cl, -Br or -I;

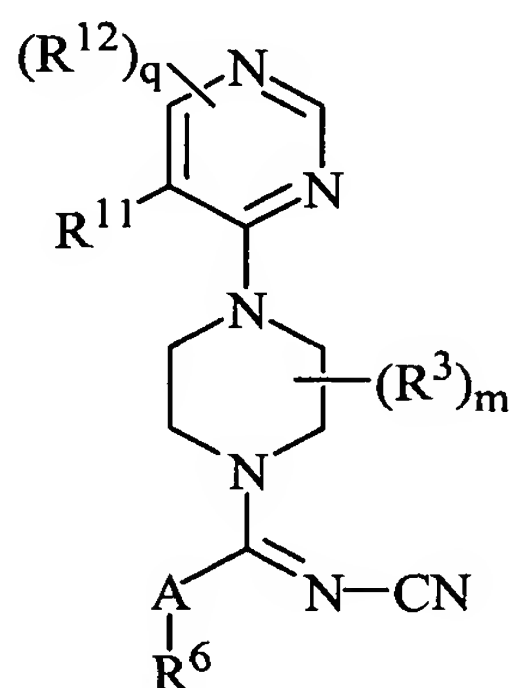
n is an integer ranging from 0 to 2;

15 m is an integer ranging from 0 to 2; and

p is an integer ranging from 0 to 4.

63. A compound of formula:

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(IIIc)

or a pharmaceutically acceptable salts thereof, wherein:

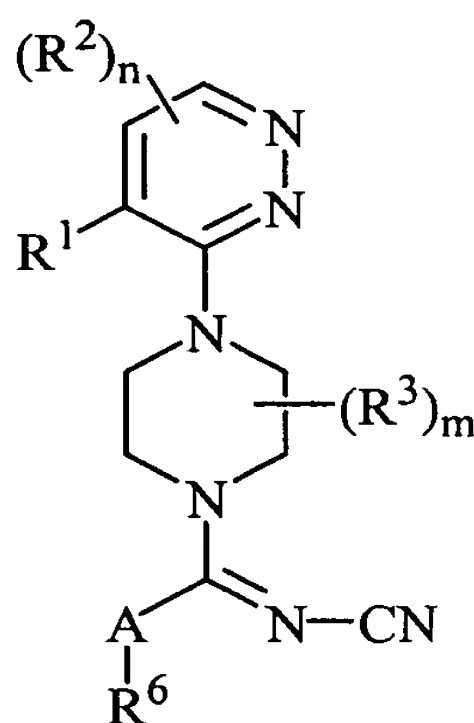
30 A is -NR<sup>4</sup>-, -O-, or -S-;

each R<sup>3</sup> is independently:

- (a) -halo, -CN, -OH, -NO<sub>2</sub>, or -NH<sub>2</sub>;
- (b) -(C<sub>1</sub>-C<sub>10</sub>)alkyl, -(C<sub>2</sub>-C<sub>10</sub>)alkenyl, -(C<sub>2</sub>-C<sub>10</sub>)alkynyl, -(C<sub>3</sub>-C<sub>10</sub>)cycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkyl, -(C<sub>5</sub>-C<sub>10</sub>)cycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkenyl, -(C<sub>3</sub>-C<sub>7</sub>)heterocycle, or -(C<sub>7</sub>-C<sub>10</sub>)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R<sup>5</sup> groups; or
- (c) -phenyl, -naphthyl, -(C<sub>14</sub>)aryl or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups;
- R<sup>4</sup> is -(C<sub>1</sub>-C<sub>6</sub>)alkyl, or -O-(C<sub>1</sub>-C<sub>6</sub>)alkyl;
- each R<sup>5</sup> is independently -CN, -OH, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl, -halo, -N<sub>3</sub>, -NO<sub>2</sub>, -N(R<sup>8</sup>)<sub>2</sub>, -CH=NR<sup>8</sup>, -NR<sup>8</sup>OH, -OR<sup>8</sup>, -COR<sup>8</sup>, -C(O)OR<sup>8</sup>, -OC(O)R<sup>8</sup>, -OC(O)OR<sup>8</sup>, -SR<sup>8</sup>, -S(O)R<sup>8</sup>, or -S(O)<sub>2</sub>R<sup>8</sup>;
- R<sup>6</sup> is -phenyl, -naphthyl, -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>14</sub>)aryl, or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups;
- each R<sup>7</sup> is independently -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl, -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>5</sub>-C<sub>8</sub>)cycloalkenyl, -phenyl, -(C<sub>3</sub>-C<sub>5</sub>)heterocycle, -C(halo)<sub>3</sub>, -CH(halo)<sub>2</sub>, -CH<sub>2</sub>(halo), -CN, -OH, -halo, -N<sub>3</sub>, -NO<sub>2</sub>, -N(R<sup>8</sup>)<sub>2</sub>, -CH=NR<sup>8</sup>, -NR<sup>8</sup>OH, -OR<sup>8</sup>, -COR<sup>8</sup>, -C(O)OR<sup>8</sup>, -OC(O)R<sup>8</sup>, -OC(O)OR<sup>8</sup>, -SR<sup>8</sup>, -S(O)R<sup>8</sup>, or -S(O)<sub>2</sub>R<sup>8</sup>;
- each R<sup>8</sup> is independently -H, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl, -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>5</sub>-C<sub>8</sub>)cycloalkenyl, -phenyl, -(C<sub>3</sub>-C<sub>5</sub>)heterocycle, -C(halo)<sub>3</sub>, -CH<sub>2</sub>(halo), or -CH(halo)<sub>2</sub>;
- R<sup>11</sup> is -hydrogen, -halo, -CH<sub>3</sub>, -NO<sub>2</sub>, -CN, -OH, -OCH<sub>3</sub>, -NH<sub>2</sub>, -C(halo)<sub>3</sub>, -CH(halo)<sub>2</sub>, or -CH<sub>2</sub>(halo);
- each R<sup>12</sup> is independently:
- (a) -halo, -CN, -OH, -NO<sub>2</sub>, or -NH<sub>2</sub>;
- (b) -(C<sub>1</sub>-C<sub>10</sub>)alkyl, -(C<sub>2</sub>-C<sub>10</sub>)alkenyl, -(C<sub>2</sub>-C<sub>10</sub>)alkynyl, -(C<sub>3</sub>-C<sub>10</sub>)cycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkyl, -(C<sub>5</sub>-C<sub>10</sub>)cycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkenyl, -(C<sub>3</sub>-C<sub>7</sub>)heterocycle, or -(C<sub>7</sub>-C<sub>10</sub>)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R<sup>5</sup> groups; or

(c) -phenyl, -naphthyl, -(C<sub>14</sub>)aryl, or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups; each halo is independently -F, -Cl, -Br or -I; q is an integer ranging from 0 to 2; and m is an integer ranging from 0 to 2.

64. A compound of formula :



(IV)

or a pharmaceutically acceptable salts thereof, wherein:

A is -NR<sup>4</sup>-, -O-, or -S-;

R<sup>1</sup> is -halo, -CH<sub>3</sub>, -NO<sub>2</sub>, -CN, -OH, -OCH<sub>3</sub>, -NH<sub>2</sub>, -C(halo)<sub>3</sub>, -CH(halo)<sub>2</sub>, or -CH<sub>2</sub>(halo);

each R<sup>2</sup> is independently:

(a) -halo, -CN, -OH, -NO<sub>2</sub>, or -NH<sub>2</sub>;

(b) -(C<sub>1</sub>-C<sub>10</sub>)alkyl, -(C<sub>2</sub>-C<sub>10</sub>)alkenyl, -(C<sub>2</sub>-C<sub>10</sub>)alkynyl, -(C<sub>3</sub>-C<sub>10</sub>)cycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkyl, -(C<sub>5</sub>-C<sub>10</sub>)cycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkenyl, -(C<sub>3</sub>-C<sub>7</sub>)heterocycle, or -(C<sub>7</sub>-C<sub>10</sub>)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R<sup>5</sup> groups; or

(c) -phenyl, -naphthyl, -(C<sub>14</sub>)aryl, or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups; each R<sup>3</sup> is independently:

- (a) -halo, -CN, -OH, -NO<sub>2</sub>, or -NH<sub>2</sub>;
- (b) -(C<sub>1</sub>-C<sub>10</sub>)alkyl, -(C<sub>2</sub>-C<sub>10</sub>)alkenyl, -(C<sub>2</sub>-C<sub>10</sub>)alkynyl, -(C<sub>3</sub>-C<sub>10</sub>)cycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkyl, -(C<sub>5</sub>-C<sub>10</sub>)cycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkenyl, -(C<sub>3</sub>-C<sub>7</sub>)heterocycle, or -(C<sub>7</sub>-C<sub>10</sub>)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R<sup>5</sup> groups; or
- (c) -phenyl, -naphthyl, -(C<sub>14</sub>)aryl or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups;
- R<sup>4</sup> is hydrogen, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, or -O-(C<sub>1</sub>-C<sub>6</sub>)alkyl;
- each R<sup>5</sup> is independently -CN, -OH, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl, -halo, -N<sub>3</sub>, -NO<sub>2</sub>, -N(R<sup>8</sup>)<sub>2</sub>, -CH=NR<sup>8</sup>, -NR<sup>8</sup>OH, -OR<sup>8</sup>, -COR<sup>8</sup>, -C(O)OR<sup>8</sup>, -OC(O)R<sup>8</sup>, -OC(O)OR<sup>8</sup>, -SR<sup>8</sup>, -S(O)R<sup>8</sup>, or -S(O)<sub>2</sub>R<sup>8</sup>;
- R<sup>6</sup> is -phenyl, -naphthyl, -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>14</sub>)aryl, or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups;
- each R<sup>7</sup> is independently -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl, -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>5</sub>-C<sub>8</sub>)cycloalkenyl, -phenyl, -(C<sub>3</sub>-C<sub>5</sub>)heterocycle, -C(halo)<sub>3</sub>, -CH(halo)<sub>2</sub>, -CH<sub>2</sub>(halo), -CN, -OH, -halo, -N<sub>3</sub>, -NO<sub>2</sub>, -N(R<sup>8</sup>)<sub>2</sub>, -CH=NR<sup>8</sup>, -NR<sup>8</sup>OH, -OR<sup>8</sup>, -COR<sup>8</sup>, -C(O)OR<sup>8</sup>, -OC(O)R<sup>8</sup>, -OC(O)OR<sup>8</sup>, -SR<sup>8</sup>, -S(O)R<sup>8</sup>, or -S(O)<sub>2</sub>R<sup>8</sup>;
- each R<sup>8</sup> is independently -H, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl, -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>5</sub>-C<sub>8</sub>)cycloalkenyl, -phenyl, -(C<sub>3</sub>-C<sub>5</sub>)heterocycle, -C(halo)<sub>3</sub>, -CH<sub>2</sub>(halo), or -CH(halo)<sub>2</sub>;
- each halo is independently -F, -Cl, -Br or -I;
- n is an integer ranging from 0 to 2; and
- m is an integer ranging from 0 to 2.
65. The compound of claim 64, wherein A is -NH-.
66. The compound of claim 65, wherein:
- n is 0;
- m is 0; and
- R<sup>6</sup> is phenyl.

- 5
- 10
- 15
- 20
- 25
- 30
67. The compound of claim 66, wherein the R<sup>6</sup> phenyl is unsubstituted.
68. The compound of claim 66, wherein the R<sup>6</sup> phenyl is substituted at the 4-position.
69. The compound of claim 68, wherein the R<sup>6</sup> phenyl is substituted with a -(C<sub>1</sub>-C<sub>6</sub>) alkyl.
70. The compound of claim 69, wherein the -(C<sub>1</sub>-C<sub>6</sub>) alkyl is a *tert*-butyl group.
71. The compound of claim 69, wherein the -(C<sub>1</sub>-C<sub>6</sub>) alkyl is an *iso*-propyl group.
72. The compound of claim 68, wherein the R<sup>6</sup> phenyl is substituted with a -CF<sub>3</sub> group.
73. The compound of claim 66, wherein R<sup>1</sup> is chloro or methyl.
74. The compound of claim 73, wherein the R<sup>6</sup> phenyl is unsubstituted.
75. The compound of claim 73, wherein the R<sup>6</sup> phenyl is substituted at the 4-position.
76. The compound of claim 75, wherein the R<sup>6</sup> phenyl is substituted with a -(C<sub>1</sub>-C<sub>6</sub>) alkyl.
77. The compound of claim 76, wherein the -(C<sub>1</sub>-C<sub>6</sub>) alkyl is a *tert*-butyl group.



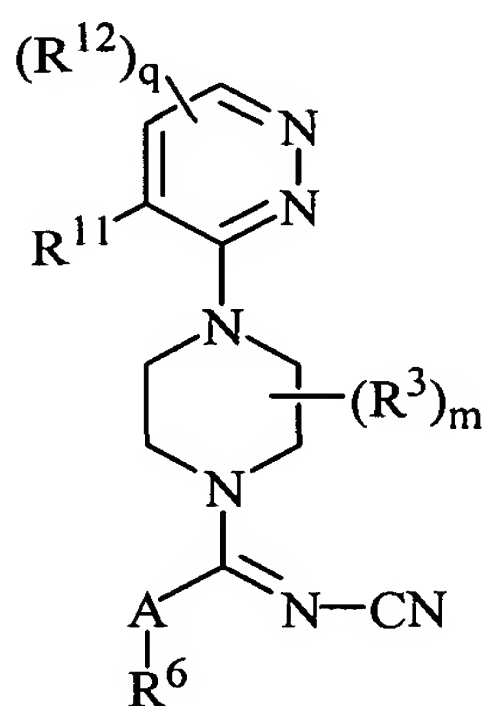
78. The compound of claim 76, wherein the  $-(C_1-C_6)$  alkyl is an *iso*-propyl group.

79. The compound of claim 75, wherein the  $R^6$  phenyl is substituted with a  $-CF_3$  group.

80. The compound of claim 64, wherein A is  $-O-$ .

81. The compound of claim 64, wherein A is  $-S-$ .

82. A compound of formula :



(IVa)

or a pharmaceutically acceptable salts thereof, wherein:

A is  $-NR^4-$ ,  $-O-$ , or  $-S-$ ;

each  $R^3$  is independently:

(a)  $-halo$ ,  $-CN$ ,  $-OH$ ,  $-NO_2$ , or  $-NH_2$ ;

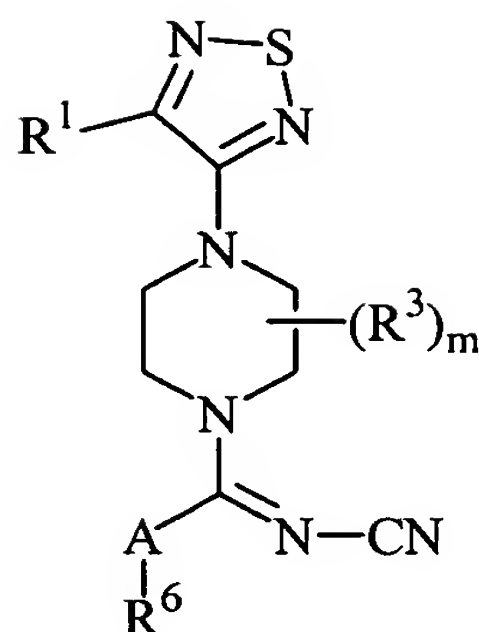
(b)  $-(C_1-C_{10})alkyl$ ,  $-(C_2-C_{10})alkenyl$ ,  $-(C_2-C_{10})alkynyl$ ,  $-(C_3-C_{10})cycloalkyl$ ,  $-(C_8-C_{14})bicycloalkyl$ ,  $-(C_8-C_{14})tricycloalkyl$ ,  $-(C_5-C_{10})cycloalkenyl$ ,  $-(C_8-C_{14})bicycloalkenyl$ ,  $-(C_8-C_{14})tricycloalkenyl$ ,  $-(C_3-C_7)heterocycle$ , or  $-(C_7-C_{10})bicycloheterocycle$ , each of which is unsubstituted or substituted with one or more  $R^5$  groups; or

- (c) -phenyl, -naphthyl, -(C<sub>14</sub>)aryl or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups;  
R<sup>4</sup> is hydrogen, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, or -O-(C<sub>1</sub>-C<sub>6</sub>)alkyl;  
each R<sup>5</sup> is independently -CN, -OH, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -  
5 (C<sub>2</sub>-C<sub>6</sub>)alkenyl, -halo, -N<sub>3</sub>, -NO<sub>2</sub>, -N(R<sup>8</sup>)<sub>2</sub>, -CH=NR<sup>8</sup>, -NR<sup>8</sup>OH, -OR<sup>8</sup>, -COR<sup>8</sup>, -C(O)OR<sup>8</sup>,  
-OC(O)R<sup>8</sup>, -OC(O)OR<sup>8</sup>, -SR<sup>8</sup>, -S(O)R<sup>8</sup>, or -S(O)<sub>2</sub>R<sup>8</sup>;  
R<sup>6</sup> is -phenyl, -naphthyl, -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>14</sub>)aryl, or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl,  
each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups;  
each R<sup>7</sup> is independently -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl,  
10 -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>5</sub>-C<sub>8</sub>)cycloalkenyl, -phenyl, -(C<sub>3</sub>-C<sub>5</sub>)heterocycle, -C(halo)<sub>3</sub>,  
-CH(halo)<sub>2</sub>, -CH<sub>2</sub>(halo), -CN, -OH, -halo, -N<sub>3</sub>, -NO<sub>2</sub>, -N(R<sup>8</sup>)<sub>2</sub>, -CH=NR<sup>8</sup>, -NR<sup>8</sup>OH, -OR<sup>8</sup>,  
-COR<sup>8</sup>, -C(O)OR<sup>8</sup>, -OC(O)R<sup>8</sup>, -OC(O)OR<sup>8</sup>, -SR<sup>8</sup>, -S(O)R<sup>8</sup>, or -S(O)<sub>2</sub>R<sup>8</sup>;  
each R<sup>8</sup> is independently -H, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl,  
-(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>5</sub>-C<sub>8</sub>)cycloalkenyl, -phenyl, -(C<sub>3</sub>-C<sub>5</sub>)heterocycle, -C(halo)<sub>3</sub>,  
15 -CH<sub>2</sub>(halo), or -CH(halo)<sub>2</sub>;  
R<sup>11</sup> is -hydrogen, -halo, -CH<sub>3</sub>, -NO<sub>2</sub>, -CN, -OH, -OCH<sub>3</sub>, -NH<sub>2</sub>, -C(halo)<sub>3</sub>, -  
CH(halo)<sub>2</sub>, or -CH<sub>2</sub>(halo);  
each R<sup>12</sup> is independently:  
(a) -halo, -CN, -OH, -NO<sub>2</sub>, or -NH<sub>2</sub>;  
20 (b) -(C<sub>1</sub>-C<sub>10</sub>)alkyl, -(C<sub>2</sub>-C<sub>10</sub>)alkenyl, -(C<sub>2</sub>-C<sub>10</sub>)alkynyl, -(C<sub>3</sub>-  
C<sub>10</sub>)cycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkyl, -(C<sub>5</sub>-  
C<sub>10</sub>)cycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkenyl, -(C<sub>3</sub>-  
C<sub>7</sub>)heterocycle, or -(C<sub>7</sub>-C<sub>10</sub>)bicycloheterocycle, each of which is unsubstituted  
or substituted with one or more R<sup>5</sup> groups; or  
25 (c) -phenyl, -naphthyl, -(C<sub>14</sub>)aryl, or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of  
which is unsubstituted or substituted with one or more R<sup>7</sup> groups;  
each halo is independently -F, -Cl, -Br or -I;  
q is an integer ranging from 0 to 2; and  
m is an integer ranging from 0 to 2.

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83. A compound of formula :

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(V)

10 and pharmaceutically acceptable salts thereof, wherein:

A is -NR<sup>4</sup>-, -O-, or -S-;

R<sup>1</sup> is -hydrogen, -halo, -CH<sub>3</sub>, -NO<sub>2</sub>, -CN, -OH, -OCH<sub>3</sub>, -NH<sub>2</sub>, -C(halo)<sub>3</sub>, -CH(halo)<sub>2</sub>, or -CH<sub>2</sub>(halo);

each R<sup>3</sup> is independently:

15

(a) -halo, -CN, -OH, -NO<sub>2</sub>, or -NH<sub>2</sub>;

(b) -(C<sub>1</sub>-C<sub>10</sub>)alkyl, -(C<sub>2</sub>-C<sub>10</sub>)alkenyl, -(C<sub>2</sub>-C<sub>10</sub>)alkynyl, -(C<sub>3</sub>-C<sub>10</sub>)cycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkyl, -(C<sub>5</sub>-C<sub>10</sub>)cycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkenyl, -(C<sub>3</sub>-C<sub>7</sub>)heterocycle, or -(C<sub>7</sub>-C<sub>10</sub>)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R<sup>5</sup> groups; or

20

(c) -phenyl, -naphthyl, -(C<sub>14</sub>)aryl or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups;

R<sup>4</sup> is hydrogen, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, or -O-(C<sub>1</sub>-C<sub>6</sub>)alkyl;

each R<sup>5</sup> is independently -CN, -OH, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -

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(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -halo, -N<sub>3</sub>, -NO<sub>2</sub>, -N(R<sup>8</sup>)<sub>2</sub>, -CH=NR<sup>8</sup>, -NR<sup>8</sup>OH, -OR<sup>8</sup>, -COR<sup>8</sup>, -C(O)OR<sup>8</sup>, -OC(O)R<sup>8</sup>, -OC(O)OR<sup>8</sup>, -SR<sup>8</sup>, -S(O)R<sup>8</sup>, or -S(O)<sub>2</sub>R<sup>8</sup>;

R<sup>6</sup> is -phenyl, -naphthyl, -(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>14</sub>)aryl, or -(C<sub>5</sub>-C<sub>10</sub>)heteroaryl, each of which is unsubstituted or substituted with one or more R<sup>7</sup> groups;

each R<sup>7</sup> is independently -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl,

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-(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>5</sub>-C<sub>8</sub>)cycloalkenyl, -phenyl, -(C<sub>3</sub>-C<sub>5</sub>)heterocycle, -C(halo)<sub>3</sub>,

-CH<sub>2</sub>(halo), -CH(halo)<sub>2</sub>, -CN, -OH, -halo, -N<sub>3</sub>, -NO<sub>2</sub>, -N(R<sup>8</sup>)<sub>2</sub>, -CH=NR<sup>8</sup>, -NR<sup>8</sup>OH, -OR<sup>8</sup>,  
-COR<sup>8</sup>, -C(O)OR<sup>8</sup>, -OC(O)R<sup>8</sup>, -OC(O)OR<sup>8</sup>, -SR<sup>8</sup>, -S(O)R<sup>8</sup>, or -S(O)<sub>2</sub>R<sup>8</sup>;

each R<sup>8</sup> is independently -H, -(C<sub>1</sub>-C<sub>6</sub>)alkyl, -(C<sub>2</sub>-C<sub>6</sub>)alkenyl, -(C<sub>2</sub>-C<sub>6</sub>)alkynyl,  
-(C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, -(C<sub>5</sub>-C<sub>8</sub>)cycloalkenyl, -phenyl, -(C<sub>3</sub>-C<sub>5</sub>)heterocycle, -C(halo)<sub>3</sub>,

5 -CH<sub>2</sub>(halo), or -CH(halo)<sub>2</sub>;

each halo is independently -F, -Cl, -Br or -I; and

m is an integer ranging from 0 to 2.

The compound of claim 64, wherein A is -NH-.

10 84. The compound of claim 83, wherein:

m is 0; and

R<sup>6</sup> is phenyl.

15 85. The compound of claim 84, wherein the R<sup>6</sup> phenyl is unsubstituted.

86. The compound of claim 84, wherein the R<sup>6</sup> phenyl is substituted at the  
4-position.

20 87. The compound of claim 86, wherein the R<sup>6</sup> phenyl is substituted with a  
-(C<sub>1</sub>-C<sub>6</sub>) alkyl.

88. The compound of claim 87, wherein the -(C<sub>1</sub>-C<sub>6</sub>) alkyl is a *tert*-butyl  
group.

25 89. The compound of claim 87, wherein the -(C<sub>1</sub>-C<sub>6</sub>) alkyl is an *iso*-propyl  
group.

90. The compound of claim 84, wherein the R<sup>6</sup> phenyl is substituted with a  
-CF<sub>3</sub> group.

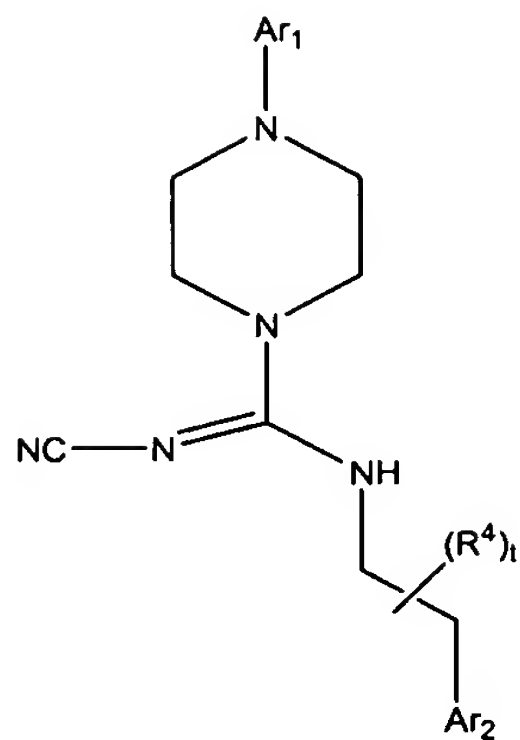
30 91. The compound of claim 84, wherein R<sup>1</sup> is chloro or methyl.

- 5 4-position.
92. The compound of claim 91, wherein the R<sup>6</sup> phenyl is unsubstituted.
93. The compound of claim 91, wherein the R<sup>6</sup> phenyl is substituted at the
94. The compound of claim 93, wherein the R<sup>6</sup> phenyl is substituted with a  
-(C<sub>1</sub>-C<sub>6</sub>) alkyl.
- 10 95. The compound of claim 94, wherein the -(C<sub>1</sub>-C<sub>6</sub>) alkyl is a *tert*-butyl  
group.
96. The compound of claim 94, wherein the -(C<sub>1</sub>-C<sub>6</sub>) alkyl is an *iso*-propyl  
group.
- 15 97. The compound of claim 93, wherein the R<sup>6</sup> phenyl is substituted with a  
-CF<sub>3</sub> group.
98. The compound of claim 83, wherein A is -O-.
- 20 99. The compound of claim 83, wherein A is -S-.
100. A compound of formula:

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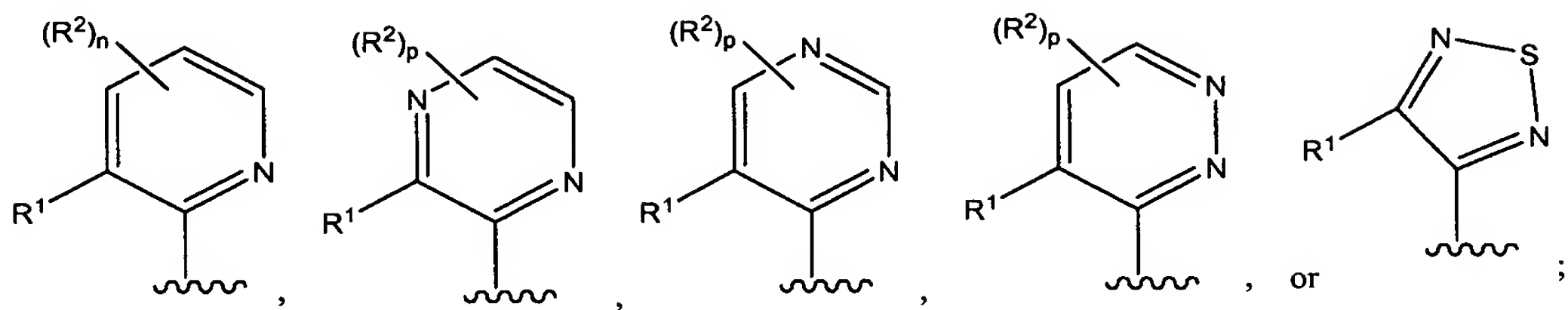
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(VI)

or a pharmaceutically acceptable salts thereof, wherein:

Ar<sub>1</sub> is

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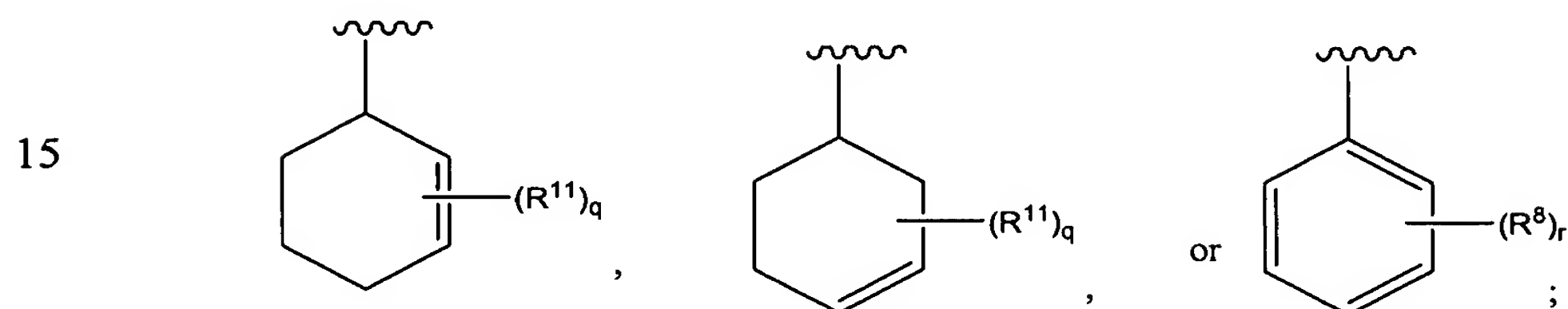
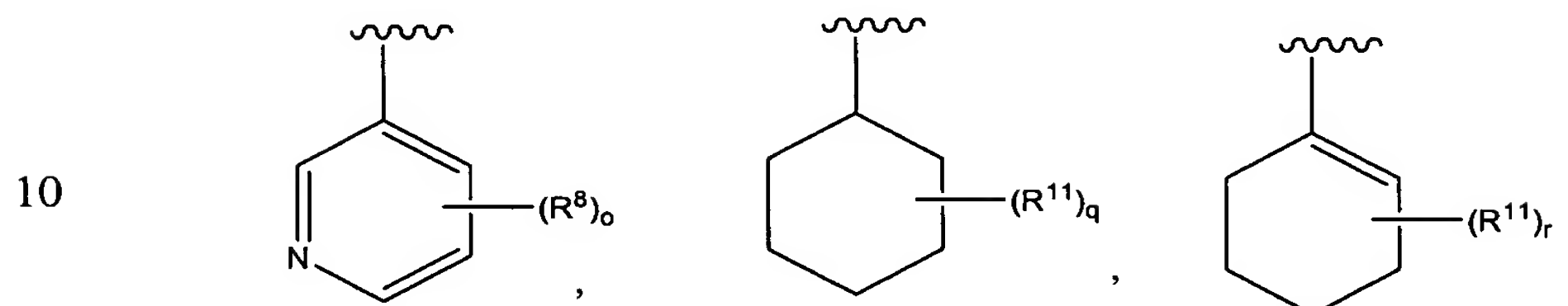
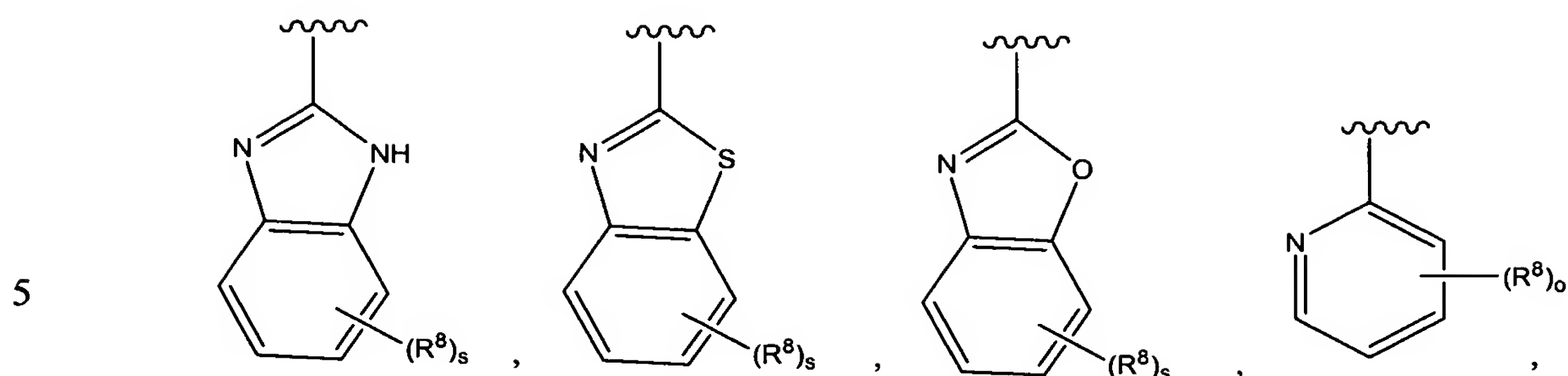


Ar<sub>2</sub> is

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$R^1$  is -H, -halo, -CH<sub>3</sub>, -NO<sub>2</sub>, -CN, -OH, -OCH<sub>3</sub>, -NH<sub>2</sub>, C(halo)<sub>3</sub>, -CH(halo)<sub>2</sub>, or -CH<sub>2</sub>(halo);

20 each  $R^2$  is independently:

(a) -halo, -CN, -OH, -NO<sub>2</sub>, or -NH<sub>2</sub>;

(b) -(C<sub>1</sub>-C<sub>10</sub>)alkyl, -(C<sub>2</sub>-C<sub>10</sub>)alkenyl, -(C<sub>2</sub>-C<sub>10</sub>)alkynyl, -(C<sub>3</sub>-C<sub>10</sub>)cycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkyl, -(C<sub>5</sub>-C<sub>10</sub>)cycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkenyl, -(3- to 7-membered)heterocycle, or -(7- to 10-

25 membered)bicycloheterocycle, each of which is unsubstituted or substituted with one or more  $R^5$  groups; or

(c) -phenyl, -naphthyl, -(C<sub>14</sub>)aryl or -(5- to 10-membered)heteroaryl, each of which is unsubstitute or substituted with one or more  $R_6$  groups;

each  $R^3$  is independently:

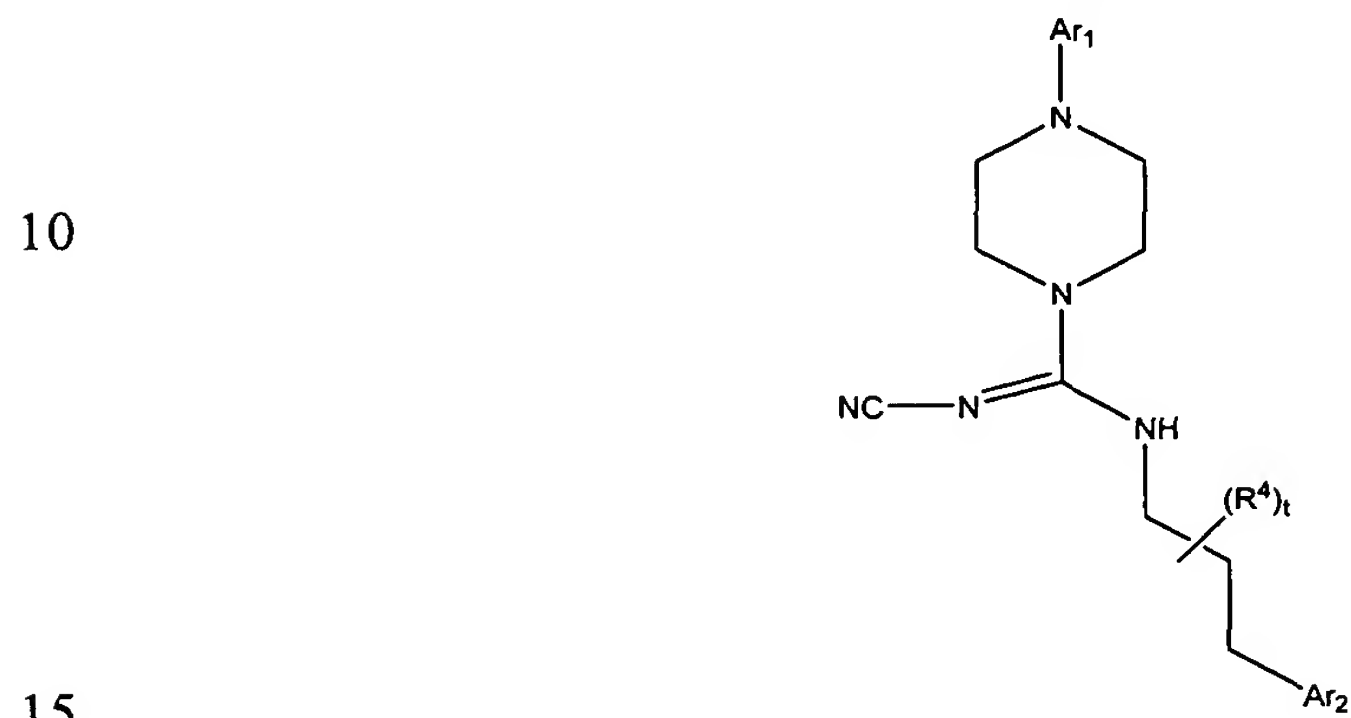
30 (a) -halo, -CN, -OH, -NO<sub>2</sub>, or -NH<sub>2</sub>;

- (b)  $-(C_1-C_{10})$ alkyl,  $-(C_2-C_{10})$ alkenyl,  $-(C_2-C_{10})$ alkynyl,  $-(C_3-C_{10})$ cycloalkyl,  $-(C_8-C_{14})$ bicycloalkyl,  $-(C_8-C_{14})$ tricycloalkyl,  $-(C_5-C_{10})$ cycloalkenyl,  $-(C_8-C_{14})$ bicycloalkenyl,  $-(C_8-C_{14})$ tricycloalkenyl,  $-(3\text{- to }7\text{-membered})$ heterocycle, or  $-(7\text{- to }10\text{-membered})$ bicycloheterocycle, each of which is unsubstituted or substituted with one or more  $R^5$  groups; or
- (c) -phenyl, -naphthyl,  $-(C_{14})$ aryl or  $-(5\text{- to }10\text{-membered})$  heteroaryl, each of which is unsubstituted or substituted with one or more  $R^6$  groups;
- each  $R^4$  is independently  $-(C_1-C_6)$ alkyl,  $-(C_2-C_6)$ alkenyl,  $-(C_2-C_6)$ alkynyl,  $-(C_3-C_8)$ cycloalkyl,  $-(C_5-C_8)$ cycloalkenyl, -phenyl,  $-(3\text{- to }5\text{-membered})$ heterocycle, -  
 10  $C(\text{halo})_3$ ,  $-CH(\text{halo})_2$ , or  $CH_2(\text{halo})$ ;
- each  $R^5$  is independently -CN, -OH,  $-(C_1-C_6)$ alkyl,  $-(C_2-C_6)$ alkenyl,  $-(C_2-C_6)$ alkynyl, -halo,  $-N_3$ ,  $-NO_2$ ,  $-N(R^8)_2$ ,  $-CH=NR^8$ ,  $-NR^8OH$ ,  $-OR^8$ ,  $-COR^8$ ,  $-C(O)OR^8$ ,  $-OC(O)R^8$ ,  $-OC(O)OR^8$ ,  $-SR^8$ ,  $-S(O)R^8$ , or  $-S(O)_2R^8$ ;
- each  $R^6$  is independently  $-(C_1-C_6)$ alkyl,  $-(C_2-C_6)$ alkenyl,  $-(C_2-C_6)$ alkynyl,  
 15  $-(C_3-C_8)$ cycloalkyl,  $-(C_5-C_8)$ cycloalkenyl, -phenyl,  $-(3\text{- to }5\text{-membered})$ heterocycle,  $-C(\text{halo})_3$ ,  $-CH(\text{halo})_2$ ,  $-CH_2(\text{halo})$ , -CN, -OH, -halo,  $-N_3$ ,  $-NO_2$ ,  $-CH=NR_7$ ,  $-NR_7OH$ ,  $-OR_7$ ,  $-COR_7$ ,  $-C(O)OR_7$ ,  $-OC(O)R_7$ ,  $-OC(O)OR_7$ ,  $-SR_7$ ,  $-S(O)R_7$ , or  $-S(O)_2R_7$ ;
- each  $R^7$  is independently -H,  $-(C_1-C_6)$ alkyl,  $-(C_2-C_6)$ alkenyl,  $-(C_2-C_6)$ alkynyl,  $-(C_3-C_8)$ cycloalkyl,  $-(C_5-C_8)$ cycloalkenyl, -phenyl,  $-(3\text{- to }5\text{-membered})$ heterocycle, -  
 20  $C(\text{halo})_3$ ,  $-CH(\text{halo})_2$ , or  $CH_2(\text{halo})$ ;
- each  $R^8$  is independently  $-(C_1-C_6)$ alkyl,  $-(C_2-C_6)$ alkenyl,  $-(C_2-C_6)$ alkynyl,  $-(C_3-C_8)$ cycloalkyl,  $-(C_5-C_8)$ cycloalkenyl, -phenyl,  $-C(\text{halo})_3$ ,  $-CH(\text{halo})_2$ ,  $-CH_2(\text{halo})$ , -CN, -OH, -halo,  $-N_3$ ,  $-NO_2$ ,  $-CH=NR_7$ ,  $-NR_7OH$ ,  $-OR_7$ ,  $-COR_7$ ,  $-C(O)OR_7$ ,  $-OC(O)R_7$ ,  $-OC(O)OR_7$ ,  $-SR_7$ ,  $-S(O)R_7$ , or  $-S(O)_2R_7$ ;
- 25 each  $R^{11}$  is independently -CN, -OH,  $-(C_1-C_6)$ alkyl,  $-(C_2-C_6)$ alkenyl, -halo,  $-N_3$ ,  $-NO_2$ ,  $-N(R_7)_2$ ,  $-CH=NR_7$ ,  $-NR_7OH$ ,  $-OR_7$ ,  $-COR_7$ ,  $-C(O)OR_7$ ,  $-OC(O)R_7$ ,  $-OC(O)OR_7$ ,  $-SR_7$ ,  $-S(O)R_7$ , or  $-S(O)_2R_7$ ;
- each halo is independently -F, -Cl, -Br, or -I;
- m is 0 or 1;
- 30 n is an integer ranging from 0 to 3;
- o is an integer ranging from 0 to 4;



p is an integer ranging from 0 to 2;  
 q is an integer ranging from 0 to 6;  
 r is an integer ranging from 0 to 5;  
 s is an integer ranging from 0 to 4; and  
 5 t is an integer ranging from 0 to 2.

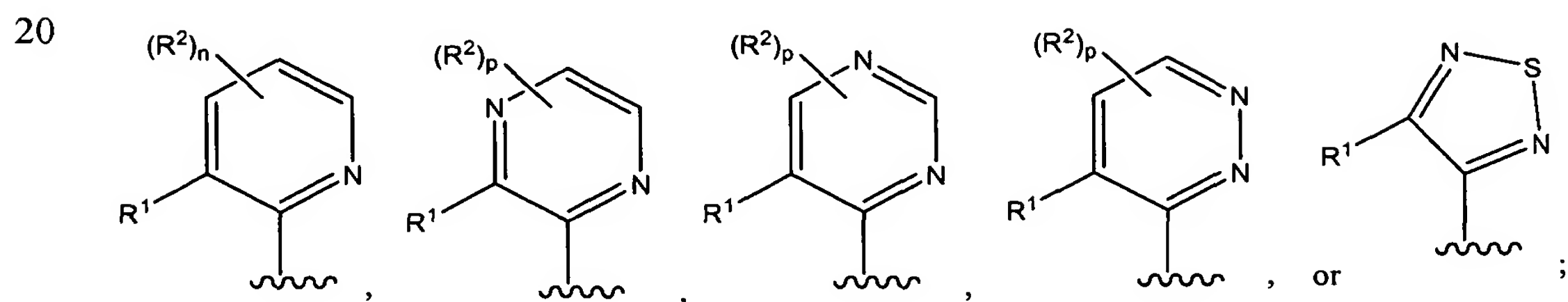
101. A compound of formula:



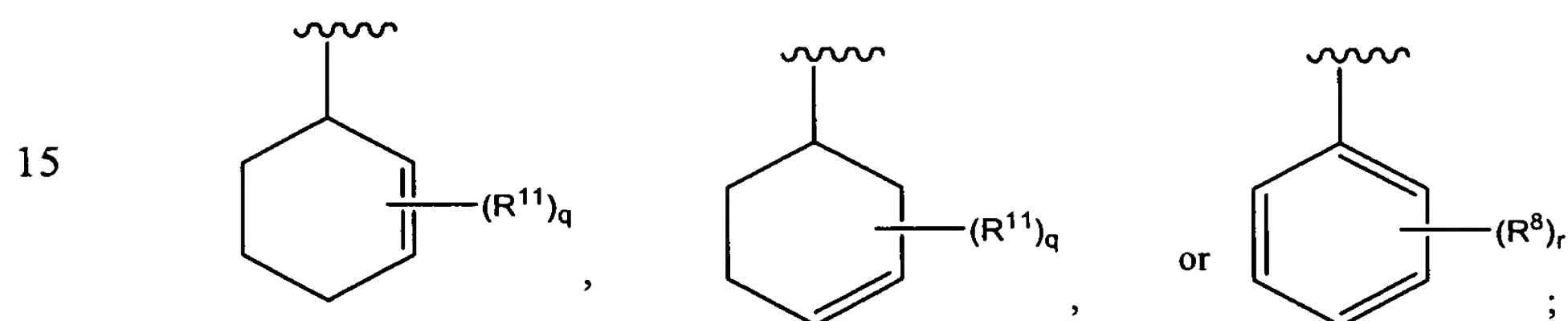
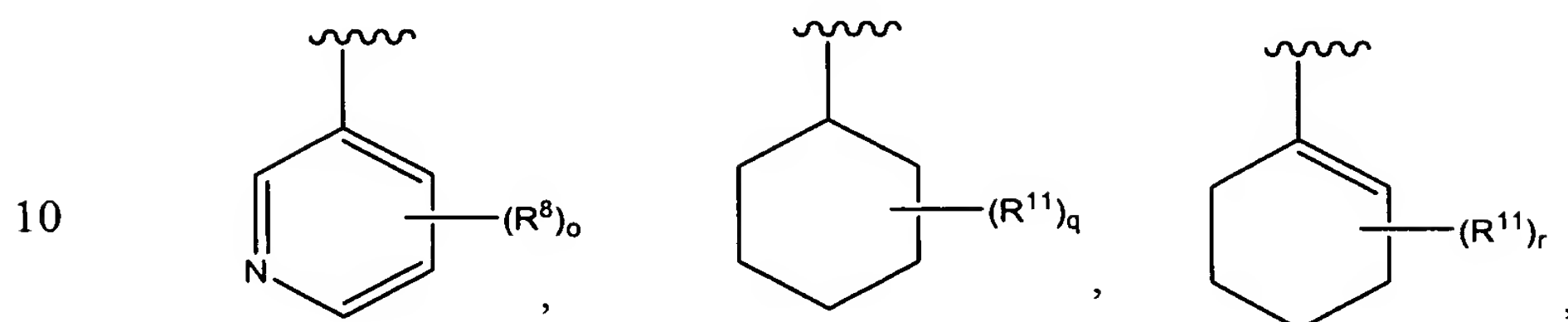
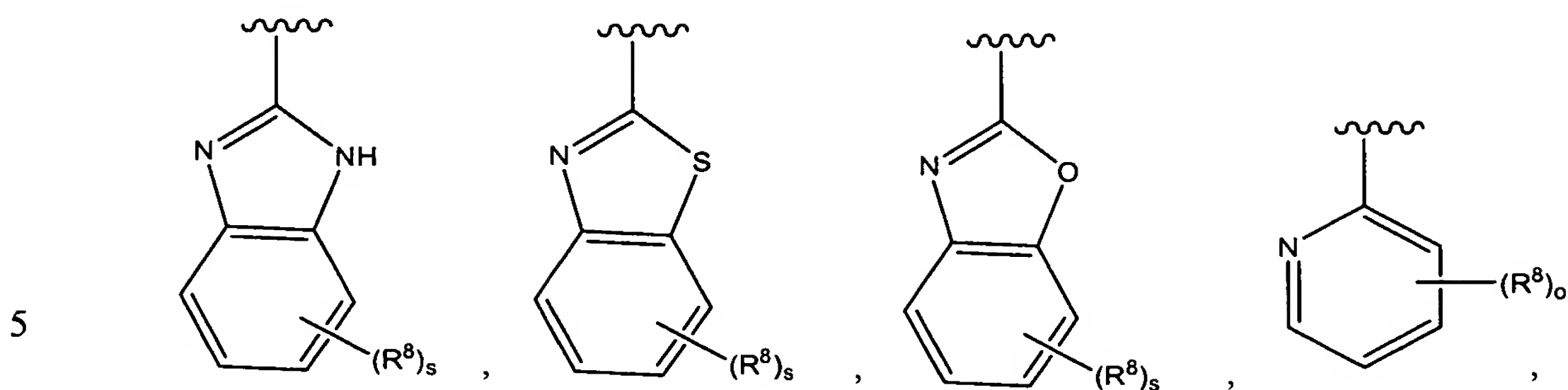
(VII)

or a pharmaceutically acceptable salts thereof, wherein:

Ar<sub>1</sub> is



Ar<sub>2</sub> is



$R^1$  is -H, -halo, -CH<sub>3</sub>, -NO<sub>2</sub>, -CN, -OH, -OCH<sub>3</sub>, -NH<sub>2</sub>, C(halo)<sub>3</sub>, -CH(halo)<sub>2</sub>, or -CH<sub>2</sub>(halo);

20 each  $R^2$  is independently:

(a) -halo, -CN, -OH, -NO<sub>2</sub>, or -NH<sub>2</sub>;

(b) -(C<sub>1</sub>-C<sub>10</sub>)alkyl, -(C<sub>2</sub>-C<sub>10</sub>)alkenyl, -(C<sub>2</sub>-C<sub>10</sub>)alkynyl, -(C<sub>3</sub>-C<sub>10</sub>)cycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkyl, -(C<sub>5</sub>-C<sub>10</sub>)cycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)bicycloalkenyl, -(C<sub>8</sub>-C<sub>14</sub>)tricycloalkenyl, -(3- to 7-membered)heterocycle, or -(7- to 10-

25 membered)bicycloheterocycle, each of which is unsubstituted or substituted with one or more  $R^5$  groups; or

(c) -phenyl, -naphthyl, -(C<sub>14</sub>)aryl or -(5- to 10-membered)heteroaryl, each of which is unsubstitute or substituted with one or more  $R_6$  groups;

each  $R^3$  is independently:

30 (a) -halo, -CN, -OH, -NO<sub>2</sub>, or -NH<sub>2</sub>;

- (b)  $-(C_1-C_{10})$ alkyl,  $-(C_2-C_{10})$ alkenyl,  $-(C_2-C_{10})$ alkynyl,  $-(C_3-C_{10})$ cycloalkyl,  $-(C_8-C_{14})$ bicycloalkyl,  $-(C_8-C_{14})$ tricycloalkyl,  $-(C_5-C_{10})$ cycloalkenyl,  $-(C_8-C_{14})$ bicycloalkenyl,  $-(C_8-C_{14})$ tricycloalkenyl,  $-(3\text{- to } 7\text{-membered})$ heterocycle, or  $-(7\text{- to } 10\text{-membered})$ bicycloheterocycle, each of which is unsubstituted or substituted with one or more  $R^5$  groups; or
- (c) -phenyl, -naphthyl,  $-(C_{14})$ aryl or  $-(5\text{- to } 10\text{-membered})$  heteroaryl, each of which is unsubstituted or substituted with one or more  $R^6$  groups;
- each  $R^4$  is independently  $-(C_1-C_6)$ alkyl,  $-(C_2-C_6)$ alkenyl,  $-(C_2-C_6)$ alkynyl,  $-(C_3-C_8)$ cycloalkyl,  $-(C_5-C_8)$ cycloalkenyl, -phenyl,  $-(3\text{- to } 5\text{-membered})$ heterocycle, -  
 10  $C(\text{halo})_3$ ,  $-CH(\text{halo})_2$ , or  $CH_2(\text{halo})$ ;
- each  $R^5$  is independently -CN, -OH,  $-(C_1-C_6)$ alkyl,  $-(C_2-C_6)$ alkenyl,  $-(C_2-C_6)$ alkynyl, -halo,  $-N_3$ ,  $-NO_2$ ,  $-N(R^8)_2$ ,  $-CH=NR^8$ ,  $-NR^8OH$ ,  $-OR^8$ ,  $-COR^8$ ,  $-C(O)OR^8$ ,  $-OC(O)R^8$ ,  $-OC(O)OR^8$ ,  $-SR^8$ ,  $-S(O)R^8$ , or  $-S(O)_2R^8$ ;
- each  $R^6$  is independently  $-(C_1-C_6)$ alkyl,  $-(C_2-C_6)$ alkenyl,  $-(C_2-C_6)$ alkynyl,  
 15  $-(C_3-C_8)$ cycloalkyl,  $-(C_5-C_8)$ cycloalkenyl, -phenyl,  $-(3\text{- to } 5\text{-membered})$ heterocycle,  $-C(\text{halo})_3$ ,  $-CH(\text{halo})_2$ ,  $-CH_2(\text{halo})$ , -CN, -OH, -halo,  $-N_3$ ,  $-NO_2$ ,  $-CH=NR_7$ ,  $-NR_7OH$ ,  $-OR_7$ ,  $-COR_7$ ,  $-C(O)OR_7$ ,  $-OC(O)R_7$ ,  $-OC(O)OR_7$ ,  $-SR_7$ ,  $-S(O)R_7$ , or  $-S(O)_2R_7$ ;
- each  $R^7$  is independently -H,  $-(C_1-C_6)$ alkyl,  $-(C_2-C_6)$ alkenyl,  $-(C_2-C_6)$ alkynyl,  
 20  $-(C_3-C_8)$ cycloalkyl,  $-(C_5-C_8)$ cycloalkenyl, -phenyl,  $-(3\text{- to } 5\text{-membered})$ heterocycle, -  
 $C(\text{halo})_3$ ,  $-CH(\text{halo})_2$ , or  $CH_2(\text{halo})$ ;
- each  $R^8$  is independently  $-(C_1-C_6)$ alkyl,  $-(C_2-C_6)$ alkenyl,  $-(C_2-C_6)$ alkynyl,  
 $-(C_3-C_8)$ cycloalkyl,  $-(C_5-C_8)$ cycloalkenyl, -phenyl,  $-C(\text{halo})_3$ ,  $-CH(\text{halo})_2$ ,  $-CH_2(\text{halo})$ , -CN, -OH, -halo,  $-N_3$ ,  $-NO_2$ ,  $-CH=NR_7$ ,  $-NR_7OH$ ,  $-OR_7$ ,  $-COR_7$ ,  $-C(O)OR_7$ ,  $-OC(O)R_7$ ,  $-OC(O)OR_7$ ,  $-SR_7$ ,  $-S(O)R_7$ , or  $-S(O)_2R_7$ ;
- 25 each  $R^{11}$  is independently -CN, -OH,  $-(C_1-C_6)$ alkyl,  $-(C_2-C_6)$ alkenyl, -halo,  $-N_3$ ,  $-NO_2$ ,  $-N(R_7)_2$ ,  $-CH=NR_7$ ,  $-NR_7OH$ ,  $-OR_7$ ,  $-COR_7$ ,  $-C(O)OR_7$ ,  $-OC(O)R_7$ ,  $-OC(O)OR_7$ ,  $-SR_7$ ,  $-S(O)R_7$ , or  $-S(O)_2R_7$ ;
- each halo is independently -F, -Cl, -Br, or -I;
- m is 0 or 1;
- 30 n is an integer ranging from 0 to 3;
- o is an integer ranging from 0 to 4;

p is an integer ranging from 0 to 2;  
q is an integer ranging from 0 to 6;  
r is an integer ranging from 0 to 5;  
s is an integer ranging from 0 to 4; and  
5 t is an integer ranging from 0 to 2.

102. A composition comprising an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 1 and a pharmaceutically acceptable carrier or excipient.

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103. A composition comprising an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 19 and a pharmaceutically acceptable carrier or excipient.

15 104. A composition comprising an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 21 and a pharmaceutically acceptable carrier or excipient.

20 105. A composition comprising an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 22 and a pharmaceutically acceptable carrier or excipient.

25 106. A composition comprising an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 23 and a pharmaceutically acceptable carrier or excipient.

107. A composition comprising an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 41 and a pharmaceutically acceptable carrier or excipient.

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108. A composition comprising an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 42 and a pharmaceutically acceptable carrier or excipient.

5 109. A composition comprising an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 60 and a pharmaceutically acceptable carrier or excipient.

10 110. A composition comprising an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 62 and a pharmaceutically acceptable carrier or excipient.

15 111. A composition comprising an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 63 and a pharmaceutically acceptable carrier or excipient.

20 112. A composition comprising an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 64 and a pharmaceutically acceptable carrier or excipient.

113. A composition comprising an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 82 and a pharmaceutically acceptable carrier or excipient.

25 114. A composition comprising an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 83 and a pharmaceutically acceptable carrier or excipient.

30 115. A composition comprising an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 100 and a pharmaceutically acceptable carrier or excipient.

116. A composition comprising an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 101 and a pharmaceutically acceptable carrier or excipient.

5 117. A method for treating pain in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 1.

118. A method for treating pain in an animal, comprising administering to  
10 an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 19.

119. A method for treating pain in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically  
15 acceptable salt of the compound of claim 21.

120. A method for treating pain in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 22.

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121. A method for treating pain in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 23.

25 122. A method for treating pain in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 41.

123. A method for treating pain in an animal, comprising administering to  
30 an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 42.

124. A method for treating pain in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 60.

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125. A method for treating pain in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 62.

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126. A method for treating pain in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 63.

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127. A method for treating pain in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 64.

128. A method for treating pain in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 82.

129. A method for treating pain in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 83.

130. A method for treating pain in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 100.

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131. A method for treating pain in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 101.

5 132. A method for treating urinary incontinence in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 1.

133. A method for treating urinary incontinence in an animal, comprising  
10 administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 19.

134. A method for treating urinary incontinence in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a  
15 pharmaceutically acceptable salt of the compound of claim 21.

135. A method for treating urinary incontinence in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 22.

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136. A method for treating urinary incontinence in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 23.

25 137. A method for treating urinary incontinence in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 41.

138. A method for treating urinary incontinence in an animal, comprising  
30 administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 42.



139. A method for treating urinary incontinence in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 60.

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140. A method for treating urinary incontinence in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 62.

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141. A method for treating urinary incontinence in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 63.

142. A method for treating urinary incontinence in an animal, comprising  
15 administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 64.

143. A method for treating urinary incontinence in an animal, comprising  
administering to an animal in need thereof an effective amount of the compound or a  
20 pharmaceutically acceptable salt of the compound of claim 82.

144. A method for treating urinary incontinence in an animal, comprising  
administering to an animal in need thereof an effective amount of the compound or a  
pharmaceutically acceptable salt of the compound of claim 83.

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145. A method for treating urinary incontinence in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 100.

146. A method for treating urinary incontinence in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 101.

5 147. A method for treating an ulcer in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 1.

148. A method for treating an ulcer in an animal, comprising administering  
10 to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 19.

149. A method for treating an ulcer in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically  
15 acceptable salt of the compound of claim 21.

150. A method for treating an ulcer in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 22.

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151. A method for treating an ulcer in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 23.

25 152. A method for treating an ulcer in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 41.

153. A method for treating an ulcer in an animal, comprising administering  
30 to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 42.

154. A method for treating an ulcer in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 60.

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155. A method for treating an ulcer in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 62.

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156. A method for treating an ulcer in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 63.

157. A method for treating an ulcer in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 64.

158. A method for treating an ulcer in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 82.

159. A method for treating an ulcer in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 83.

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160. A method for treating an ulcer in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 100.

161. A method for treating an ulcer in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 101.

5 162. A method for treating irritable-bowel syndrome in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 1.

10 163. A method for treating irritable-bowel syndrome in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 19.

15 164. A method for treating irritable-bowel syndrome in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 21.

20 165. A method for treating irritable-bowel syndrome in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 22.

166. A method for treating irritable-bowel syndrome in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 23.

25 167. A method for treating irritable-bowel syndrome in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 41.

30 168. A method for treating irritable-bowel syndrome in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 42.

169. A method for treating irritable-bowel syndrome in an animal,  
comprising administering to an animal in need thereof an effective amount of the compound  
or a pharmaceutically acceptable salt of the compound of claim 60.

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170. A method for treating irritable-bowel syndrome in an animal,  
comprising administering to an animal in need thereof an effective amount of the compound  
or a pharmaceutically acceptable salt of the compound of claim 62.

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171. A method for treating irritable-bowel syndrome in an animal,  
comprising administering to an animal in need thereof an effective amount of the compound  
or a pharmaceutically acceptable salt of the compound of claim 63.

172. A method for treating irritable-bowel syndrome in an animal,  
15 comprising administering to an animal in need thereof an effective amount of the compound  
or a pharmaceutically acceptable salt of the compound of claim 64.

173. A method for treating irritable-bowel syndrome in an animal,  
comprising administering to an animal in need thereof an effective amount of the compound  
20 or a pharmaceutically acceptable salt of the compound of claim 82.

174. A method for treating irritable-bowel syndrome in an animal,  
comprising administering to an animal in need thereof an effective amount of the compound  
or a pharmaceutically acceptable salt of the compound of claim 83.

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175. A method for treating irritable-bowel syndrome in an animal,  
comprising administering to an animal in need thereof an effective amount of the compound  
or a pharmaceutically acceptable salt of the compound of claim 100.

176. A method for treating irritable-bowel syndrome in an animal,  
comprising administering to an animal in need thereof an effective amount of the compound  
or a pharmaceutically acceptable salt of the compound of claim 101.

5 177. A method for treating inflammatory-bowel disease in an animal,  
comprising administering to an animal in need thereof an effective amount of the compound  
or a pharmaceutically acceptable salt of the compound of claim 1.

178. A method for treating inflammatory-bowel disease in an animal,  
10 comprising administering to an animal in need thereof an effective amount of the compound  
or a pharmaceutically acceptable salt of the compound of claim 19.

179. A method for treating inflammatory-bowel disease in an animal,  
comprising administering to an animal in need thereof an effective amount of the compound  
15 or a pharmaceutically acceptable salt of the compound of claim 21.

180. A method for treating inflammatory-bowel disease in an animal,  
comprising administering to an animal in need thereof an effective amount of the compound  
or a pharmaceutically acceptable salt of the compound of claim 22.

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181. A method for treating inflammatory-bowel disease in an animal,  
comprising administering to an animal in need thereof an effective amount of the compound  
or a pharmaceutically acceptable salt of the compound of claim 23.

25 182. A method for treating inflammatory-bowel disease in an animal,  
comprising administering to an animal in need thereof an effective amount of the compound  
or a pharmaceutically acceptable salt of the compound of claim 41.

183. A method for treating inflammatory-bowel disease in an animal,  
30 comprising administering to an animal in need thereof an effective amount of the compound  
or a pharmaceutically acceptable salt of the compound of claim 42.

184. A method for treating inflammatory-bowel disease in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 60.

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185. A method for treating inflammatory-bowel disease in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 62.

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186. A method for treating inflammatory-bowel disease in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 63.

187. A method for treating inflammatory-bowel disease in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 64.

188. A method for treating inflammatory-bowel disease in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 82.

189. A method for treating inflammatory-bowel disease in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 83.

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190. A method for treating inflammatory-bowel disease in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 100.



191. A method for treating inflammatory-bowel disease in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 101.

5 192. A method for inhibiting VR1 function in a cell, comprising contacting a cell capable of expressing VR1 with an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 1.

193. A method for inhibiting VR1 function in a cell, comprising contacting  
10 a cell capable of expressing VR1 with an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 19.

194. A method for inhibiting VR1 function in a cell, comprising contacting a cell capable of expressing VR1 with an effective amount of the compound or a  
15 pharmaceutically acceptable salt of the compound of claim 21.

195. A method for inhibiting VR1 function in a cell, comprising contacting a cell capable of expressing VR1 with an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 22.

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196. A method for inhibiting VR1 function in a cell, comprising contacting a cell capable of expressing VR1 with an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 23.

25 197. A method for inhibiting VR1 function in a cell, comprising contacting a cell capable of expressing VR1 with an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 41.

198. A method for inhibiting VR1 function in a cell, comprising contacting  
30 a cell capable of expressing VR1 with an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 42.



199. A method for inhibiting VR1 function in a cell, comprising contacting a cell capable of expressing VR1 with an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 60.

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200. A method for inhibiting VR1 function in a cell, comprising contacting a cell capable of expressing VR1 with an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 62.

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201. A method for inhibiting VR1 function in a cell, comprising contacting a cell capable of expressing VR1 with an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 63.

15 202. A method for inhibiting VR1 function in a cell, comprising contacting a cell capable of expressing VR1 with an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 64.

20 203. A method for inhibiting VR1 function in a cell, comprising contacting a cell capable of expressing VR1 with an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 82.

25 204. A method for inhibiting VR1 function in a cell, comprising contacting a cell capable of expressing VR1 with an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 83.

205. A method for inhibiting VR1 function in a cell, comprising contacting a cell capable of expressing VR1 with an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 100.

206. A method for inhibiting VR1 function in a cell, comprising contacting a cell capable of expressing VR1 with an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 101.

5 207. A kit comprising a container containing an effective amount of a compound or a pharmaceutically acceptable salt of the compound of claim 1.

208. A kit comprising a container containing an effective amount of a compound or a pharmaceutically acceptable salt of the compound of claim 19.

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209. A kit comprising a container containing an effective amount of a compound or a pharmaceutically acceptable salt of the compound of claim 21.

210. A kit comprising a container containing an effective amount of a  
15 compound or a pharmaceutically acceptable salt of the compound of claim 22.

211. A kit comprising a container containing an effective amount of a compound or a pharmaceutically acceptable salt of the compound of claim 23.

20 212. A kit comprising a container containing an effective amount of a compound or a pharmaceutically acceptable salt of the compound of claim 41.

213. A kit comprising a container containing an effective amount of a compound or a pharmaceutically acceptable salt of the compound of claim 42.

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214. A kit comprising a container containing an effective amount of a compound or a pharmaceutically acceptable salt of the compound of claim 60.

215. A kit comprising a container containing an effective amount of a  
30 compound or a pharmaceutically acceptable salt of the compound of claim 62.

216. A kit comprising a container containing an effective amount of a compound or a pharmaceutically acceptable salt of the compound of claim 63.

217. A kit comprising a container containing an effective amount of a  
5 compound or a pharmaceutically acceptable salt of the compound of claim 64.

218. A kit comprising a container containing an effective amount of a compound or a pharmaceutically acceptable salt of the compound of claim 82.

10 219. A kit comprising a container containing an effective amount of a compound or a pharmaceutically acceptable salt of the compound of claim 83.

220. A kit comprising a container containing an effective amount of a compound or a pharmaceutically acceptable salt of the compound of claim 100.

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221. A kit comprising a container containing an effective amount of a compound or a pharmaceutically acceptable salt of the compound of claim 101.

222. A method for preparing a composition, the method comprising  
20 admixing a compound or a pharmaceutically acceptable salt of the compound of claim 1 and a pharmaceutically acceptable carrier or excipient.

223. A method for preparing a composition, the method comprising  
admixing a compound or a pharmaceutically acceptable salt of the compound of claim 19 and  
25 a pharmaceutically acceptable carrier or excipient.

224. A method for preparing a composition, the method comprising  
admixing a compound or a pharmaceutically acceptable salt of the compound of claim 21 and  
a pharmaceutically acceptable carrier or excipient.

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225. A method for preparing a composition, the method comprising  
admixing a compound or a pharmaceutically acceptable salt of the compound of claim 22 and  
a pharmaceutically acceptable carrier or excipient.

5 226. A method for preparing a composition, the method comprising  
admixing a compound or a pharmaceutically acceptable salt of the compound of claim 23 and  
a pharmaceutically acceptable carrier or excipient.

227. A method for preparing a composition, the method comprising  
10 admixing a compound or a pharmaceutically acceptable salt of the compound of claim 41 and  
a pharmaceutically acceptable carrier or excipient.

228. A method for preparing a composition, the method comprising  
admixing a compound or a pharmaceutically acceptable salt of the compound of claim 42 and  
15 a pharmaceutically acceptable carrier or excipient.

229. A method for preparing a composition, the method comprising  
admixing a compound or a pharmaceutically acceptable salt of the compound of claim 60 and  
a pharmaceutically acceptable carrier or excipient.

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230. A method for preparing a composition, the method comprising  
admixing a compound or a pharmaceutically acceptable salt of the compound of claim 62 and  
a pharmaceutically acceptable carrier or excipient.

25 231. A method for preparing a composition, the method comprising  
admixing a compound or a pharmaceutically acceptable salt of the compound of claim 63 and  
a pharmaceutically acceptable carrier or excipient.

232. A method for preparing a composition, the method comprising  
30 admixing a compound or a pharmaceutically acceptable salt of the compound of claim 64 and  
a pharmaceutically acceptable carrier or excipient.

233. A method for preparing a composition, the method comprising admixing a compound or a pharmaceutically acceptable salt of the compound of claim 82 and a pharmaceutically acceptable carrier or excipient.

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234. A method for preparing a composition, the method comprising admixing a compound or a pharmaceutically acceptable salt of the compound of claim 83 and a pharmaceutically acceptable carrier or excipient.

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235. A method for preparing a composition, the method comprising admixing a compound or a pharmaceutically acceptable salt of the compound of claim 100 and a pharmaceutically acceptable carrier or excipient.

236. A method for preparing a composition, the method comprising  
15 admixing a compound or a pharmaceutically acceptable salt of the compound of claim 101 and a pharmaceutically acceptable carrier or excipient.

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